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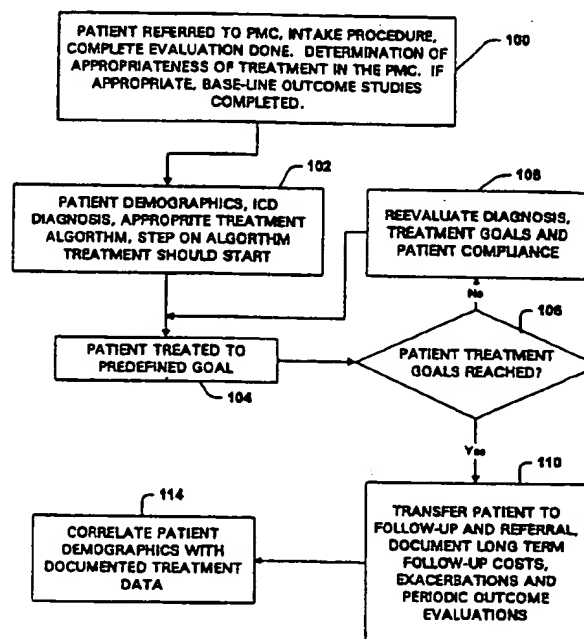
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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| (71)(72) Applicant and Inventor: ROSS, Edgar, L. [US/US]; 26300 Bernwood, Beachwood, OH 44122 (US). | | Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> | |
| (74) Agent: SKLAR, Warren, A.; Renner, Otto, Boisselle & Sklar, P.L.L., 19th floor, 1621 Euclid Avenue, Cleveland, OH 44115 (US). | | (88) Date of publication of the international search report: 22 July 1999 (22.07.99) | |

(54) Title: METHOD AND SYSTEM FOR PAIN MANAGEMENT

(57) Abstract

A system and method for facilitating chronic pain management. A methodology is employed which includes determining the type of disease or chronic pain a patient is suffering from. A determination is made as to what treatments the patient has already undergone in treating the disease and/or chronic pain and what treatments the patient needs. Based on the above determinations, the present invention formulates a treatment plan for the disease and/or chronic pain and employs historical data to forecast the likely outcome of the treatment plan, the length of the treatment, the associated costs and risks along with the long-term costs, patient function and the effectiveness of long-term therapy and the ongoing supportive needs of the patient (104).



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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US98/20239

A. CLASSIFICATION OF SUBJECT MATTER

IPC(6) : G06F 7/00, 7/04, 7/20
US CL : 705/2, 3

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 705/2, 3

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|---------------------------|
| X Y | US 5,301,105 A (CUMMINGS, JR.) 05 April 1994 (05.04.1994), columns 4-11, 13, 14 and figures 1, 4, 9, 11. | 1-4, 6-13, 15-20 5, 14 |
| Y | US 5,583,758 A (MCILROY et al.) 10 December 1996 (10.12.1996), columns 2, 11, 16, figures 19-20. | 5, 14 |
| A | US 5,225,976 A (TAWIL) 06 July 1993 (06.07.1993). | 1-40 |
| A | US 5,359,509 A (LITTLE et al) 25 October 1994 (25.10.1994). | 1-40 |
| A | US 5,619,991 A (SLOANE) 15 April 1997 (15.04.1997). | 1-40 |

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

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Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US98/20239

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
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| A | US 5,262,943 A (THIBADO et al.) 16 November 1993 (16.11.1993). | 1-40 |
| A | EDLIN, MARI. "Behavioral Health Software Attract Attention" Health Management Technology, December 1996, pp. 34-37. | 1-40 |
| A | WENNER, ALLEN R., M.D., "Using Interview Software for Early Recognition of Behavioral Illness" Proceedings: Toward An Electronic Patient Record '96, Ambulatory Systems, 1996, pp. 301-307. | 1-40 |

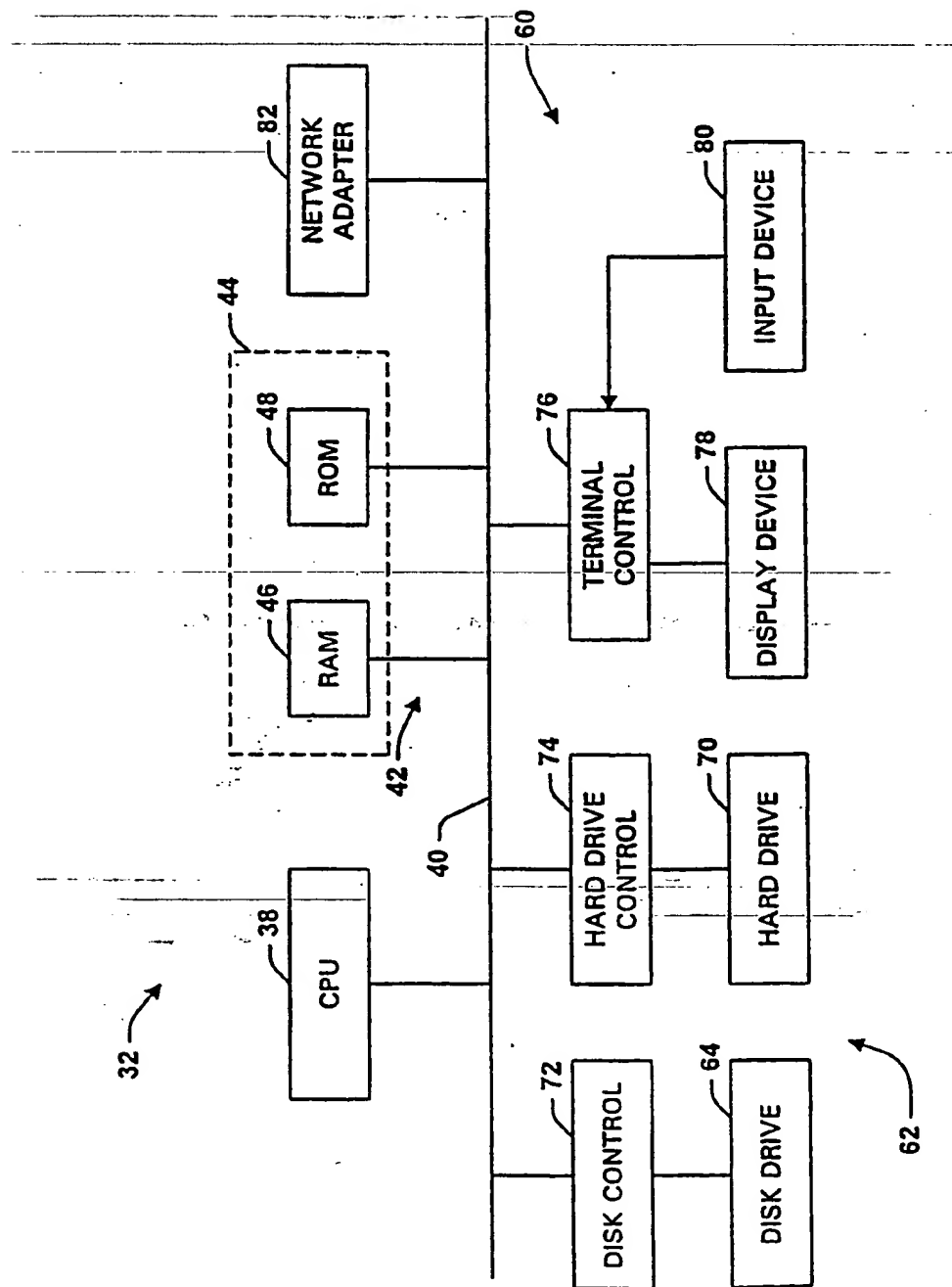


Fig. 1

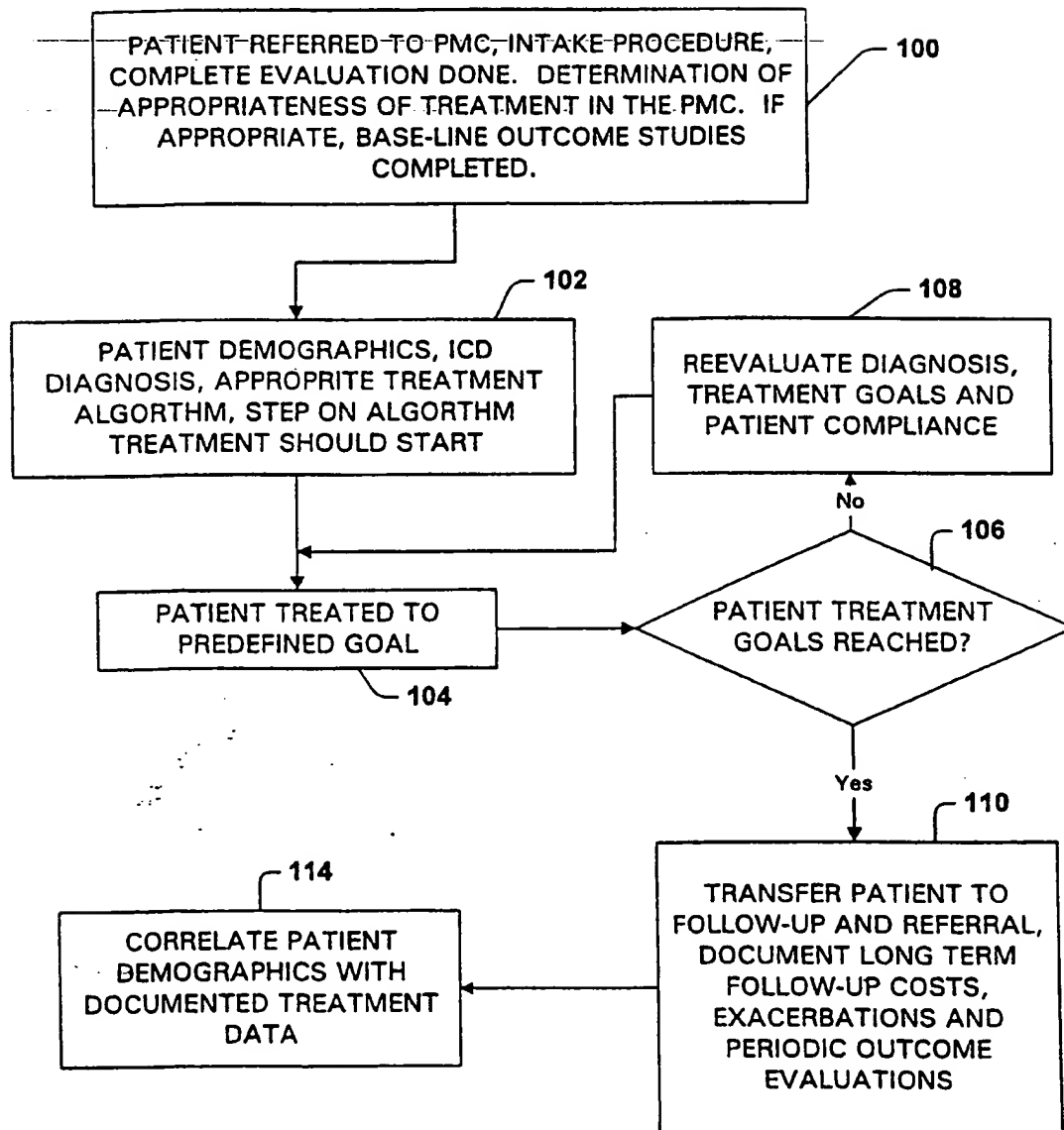
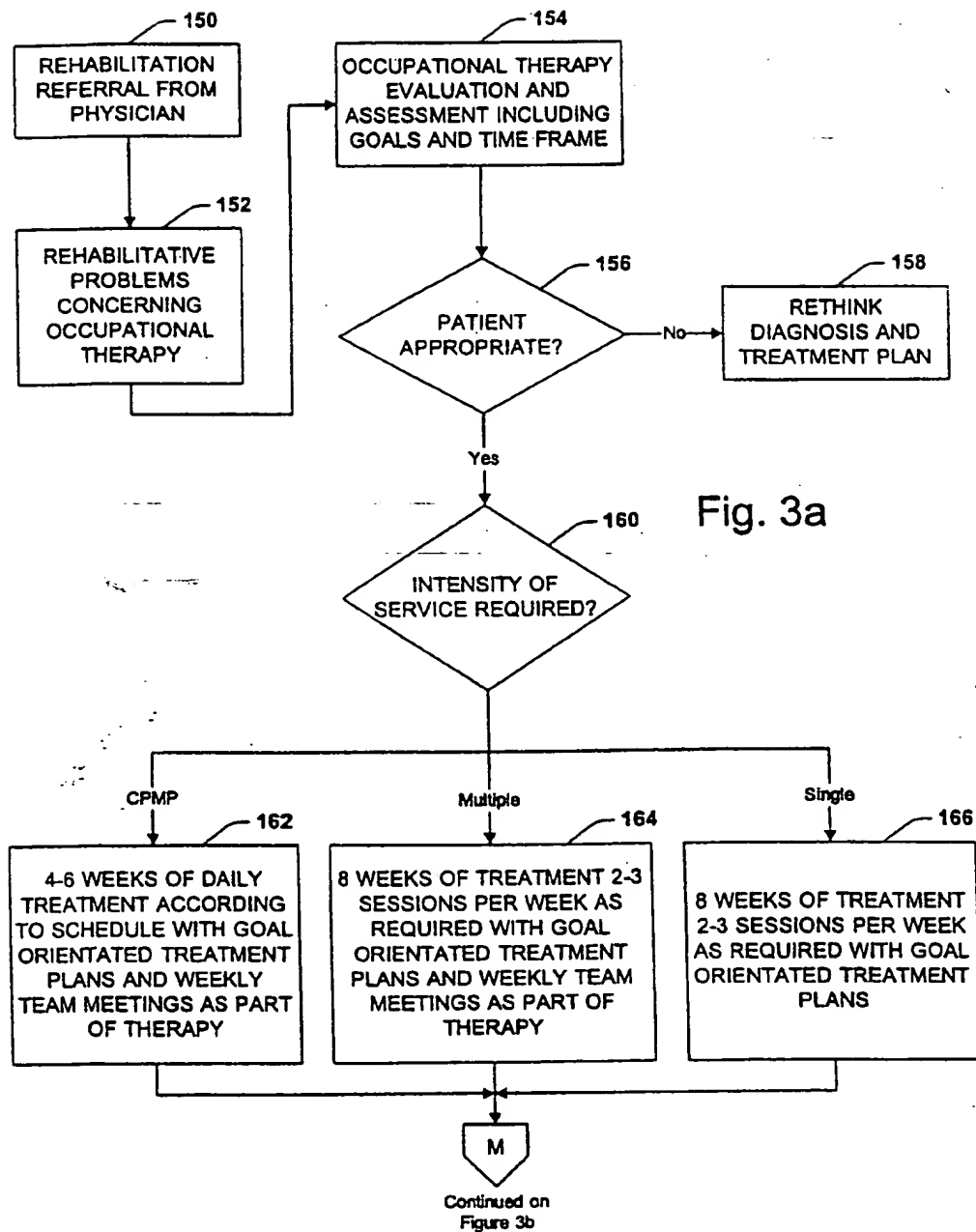
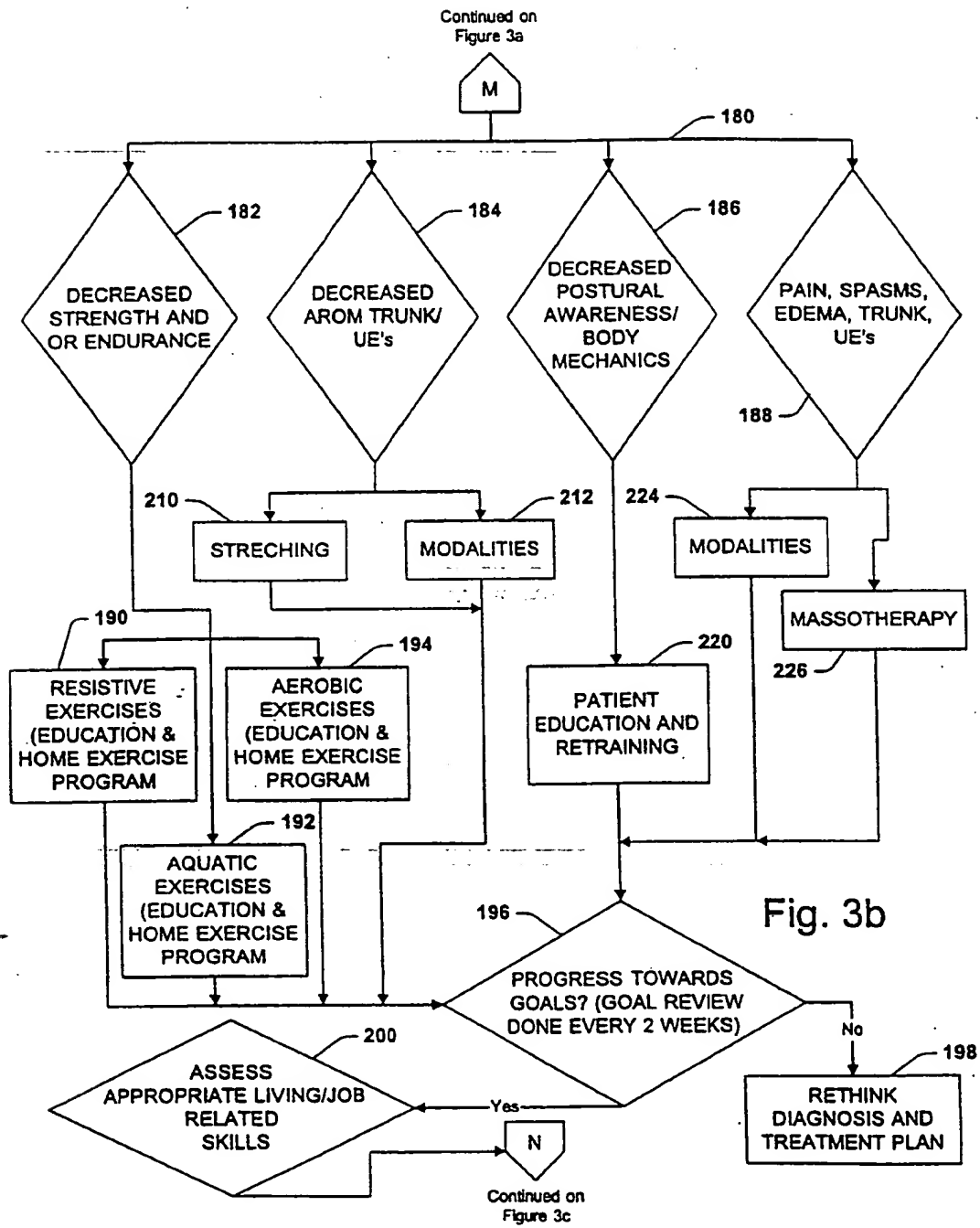


Fig. 2

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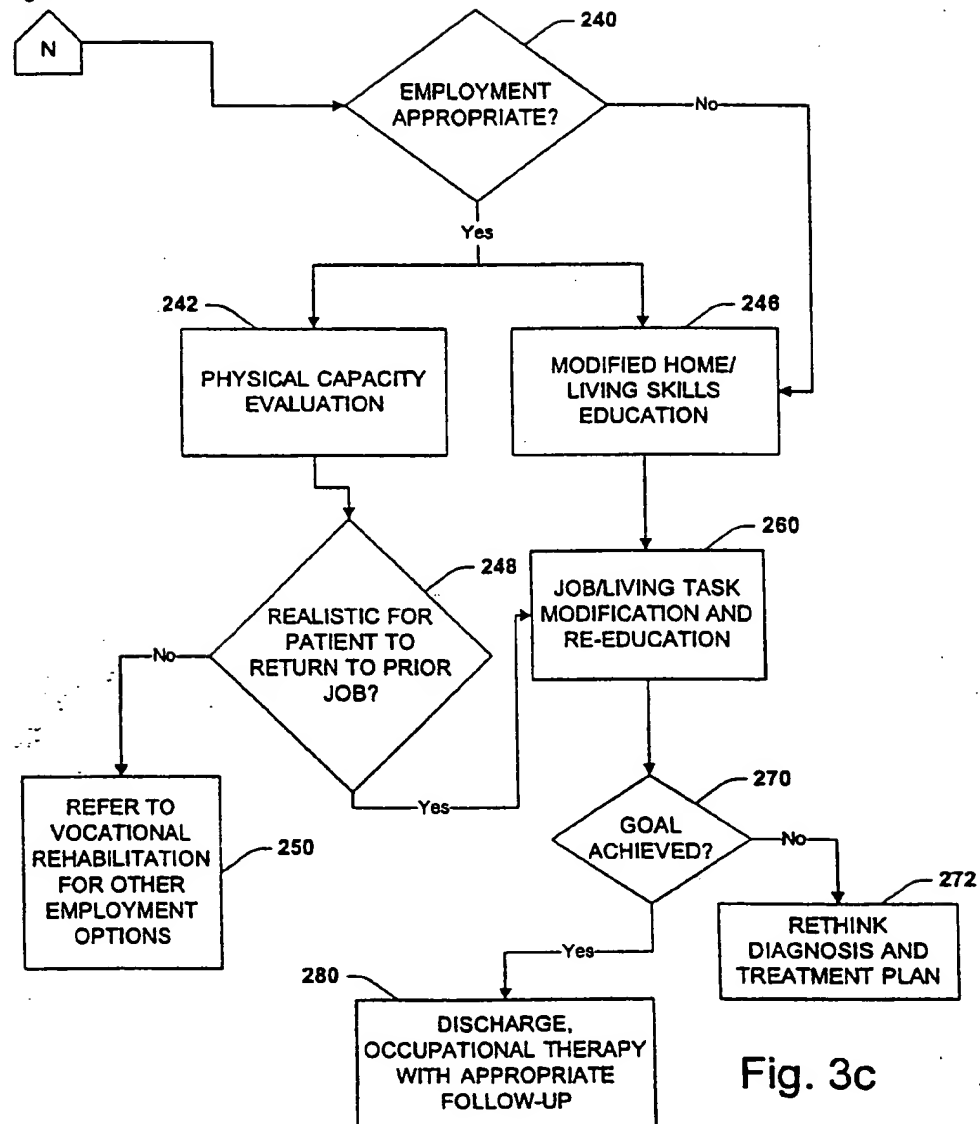
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Figure 3b

Fig. 3c

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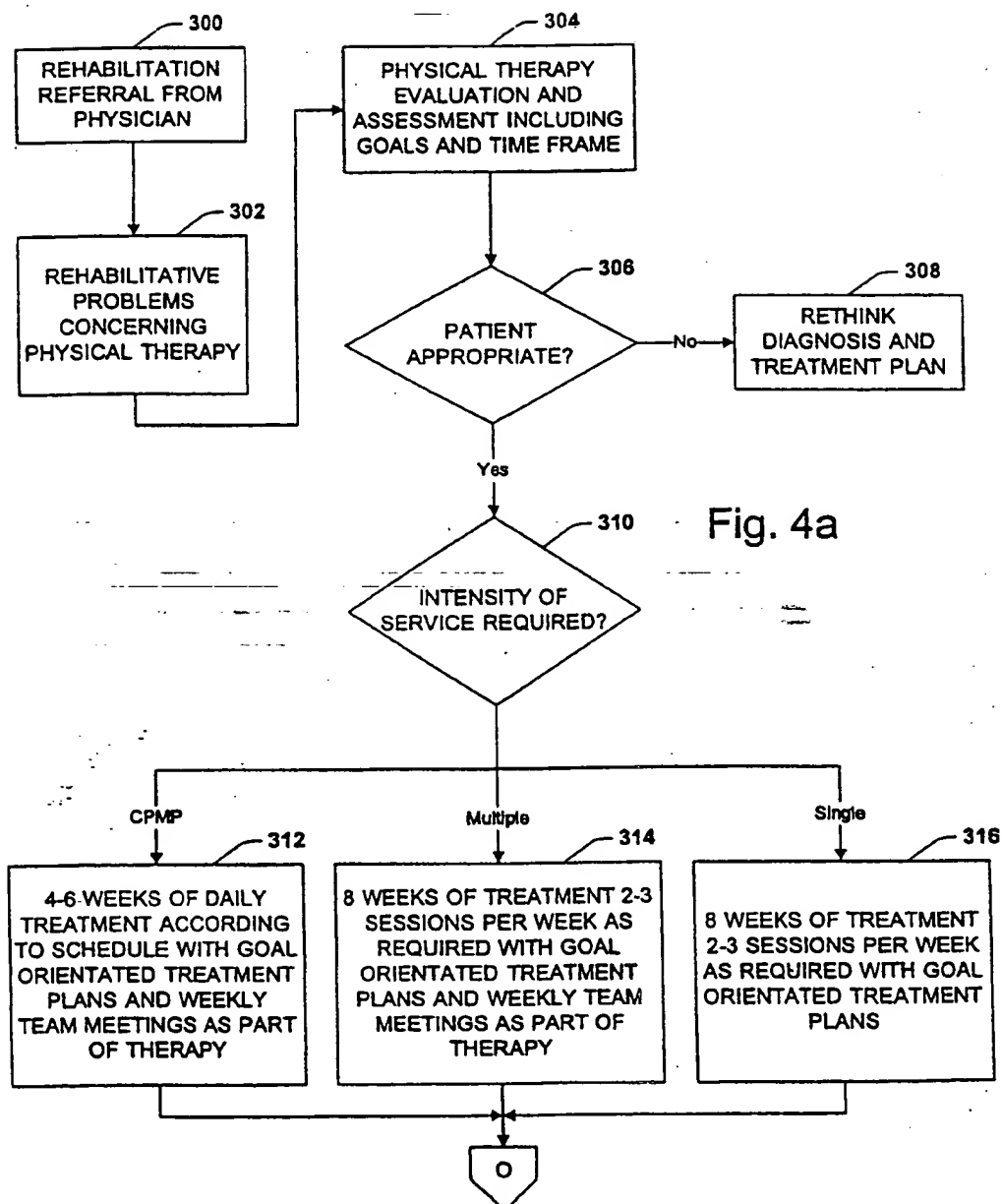
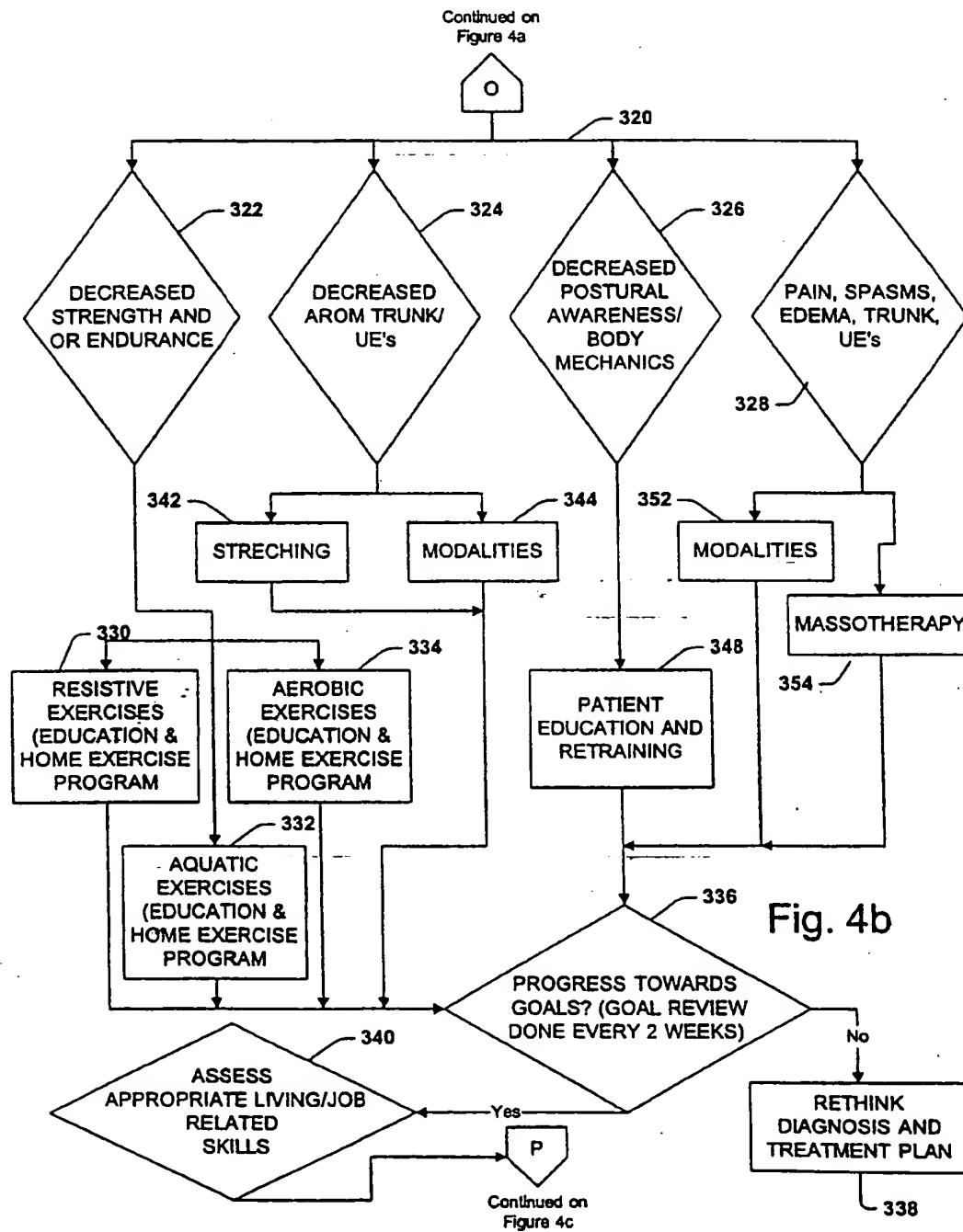


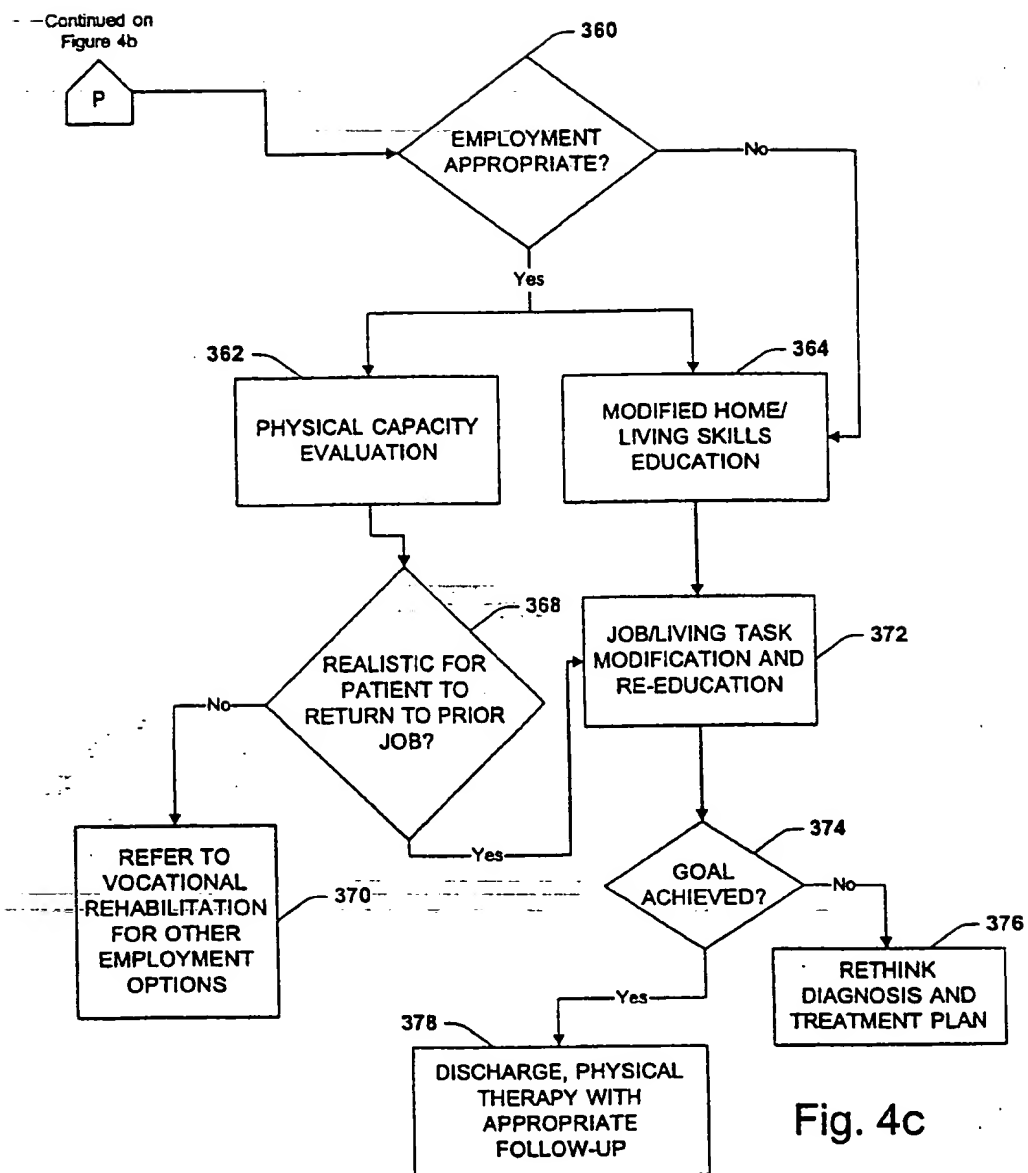
Fig. 4a

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Figure 4b

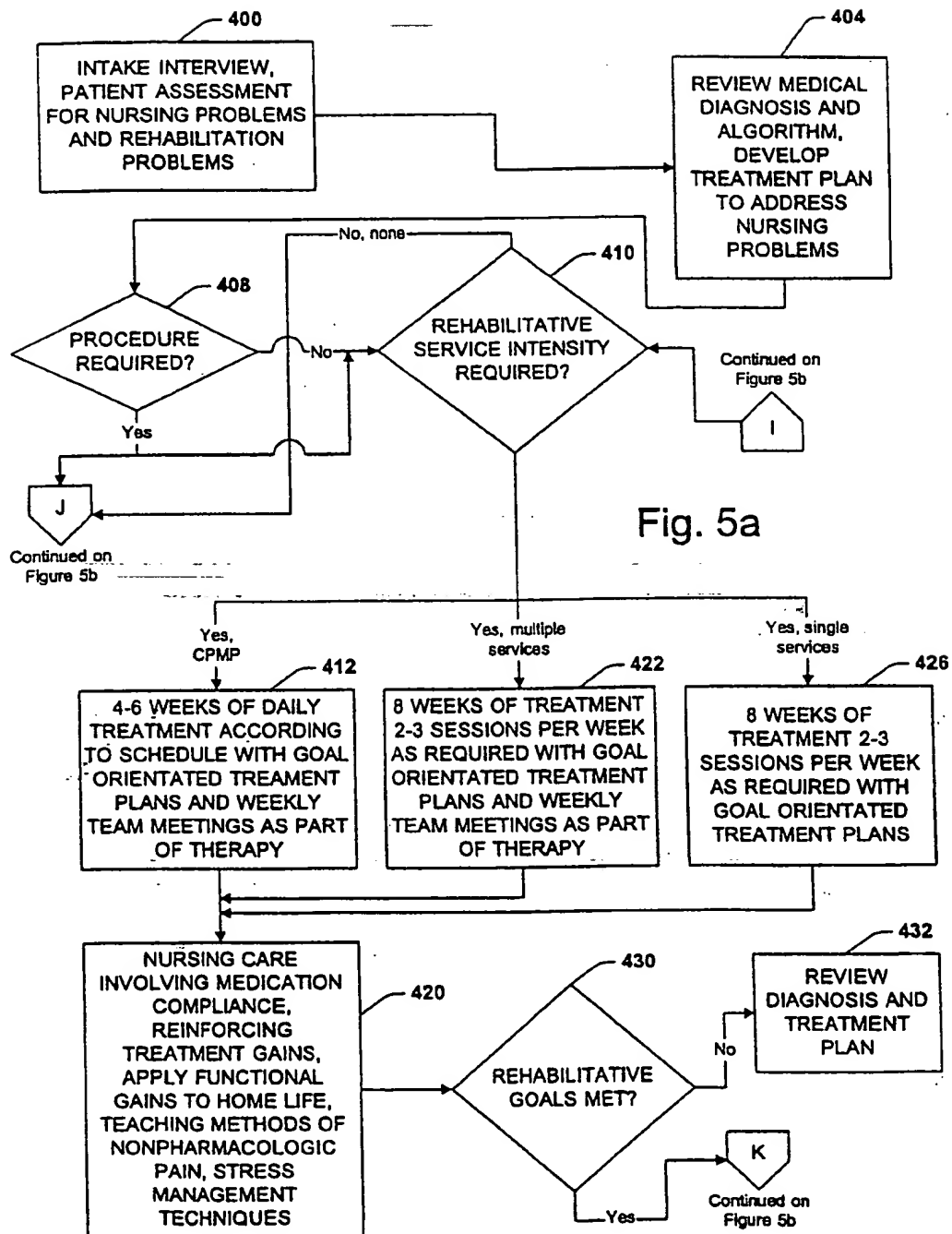
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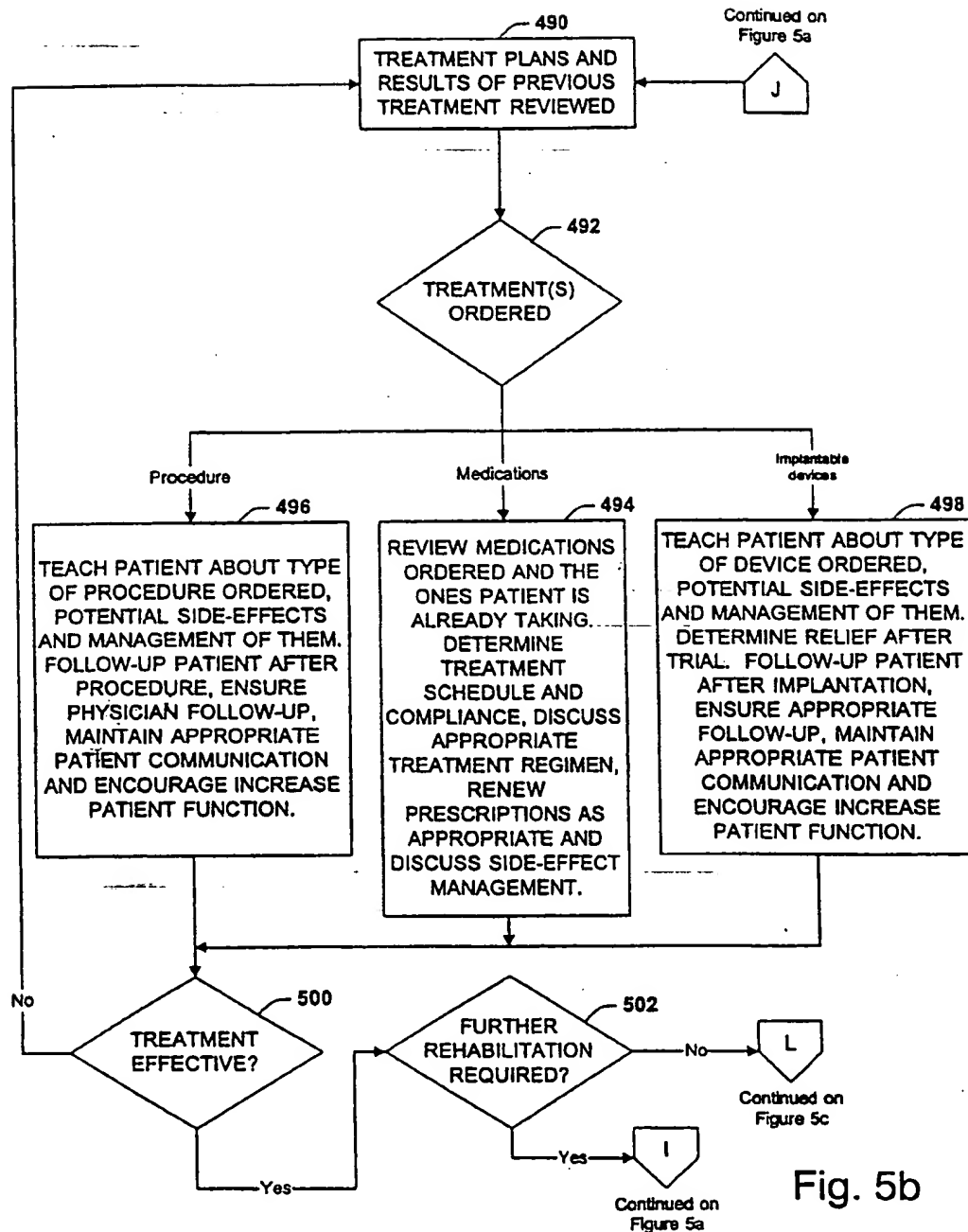
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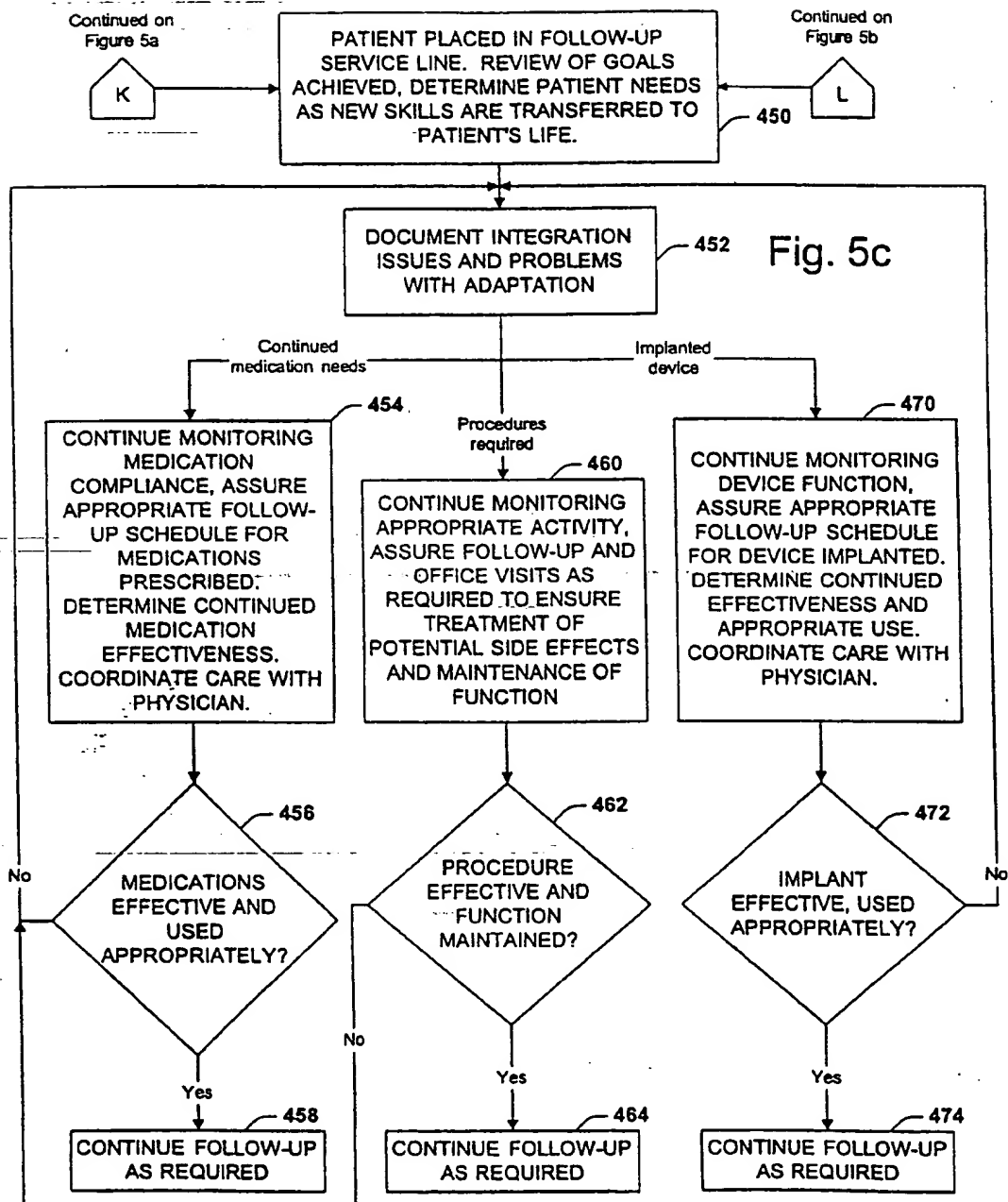
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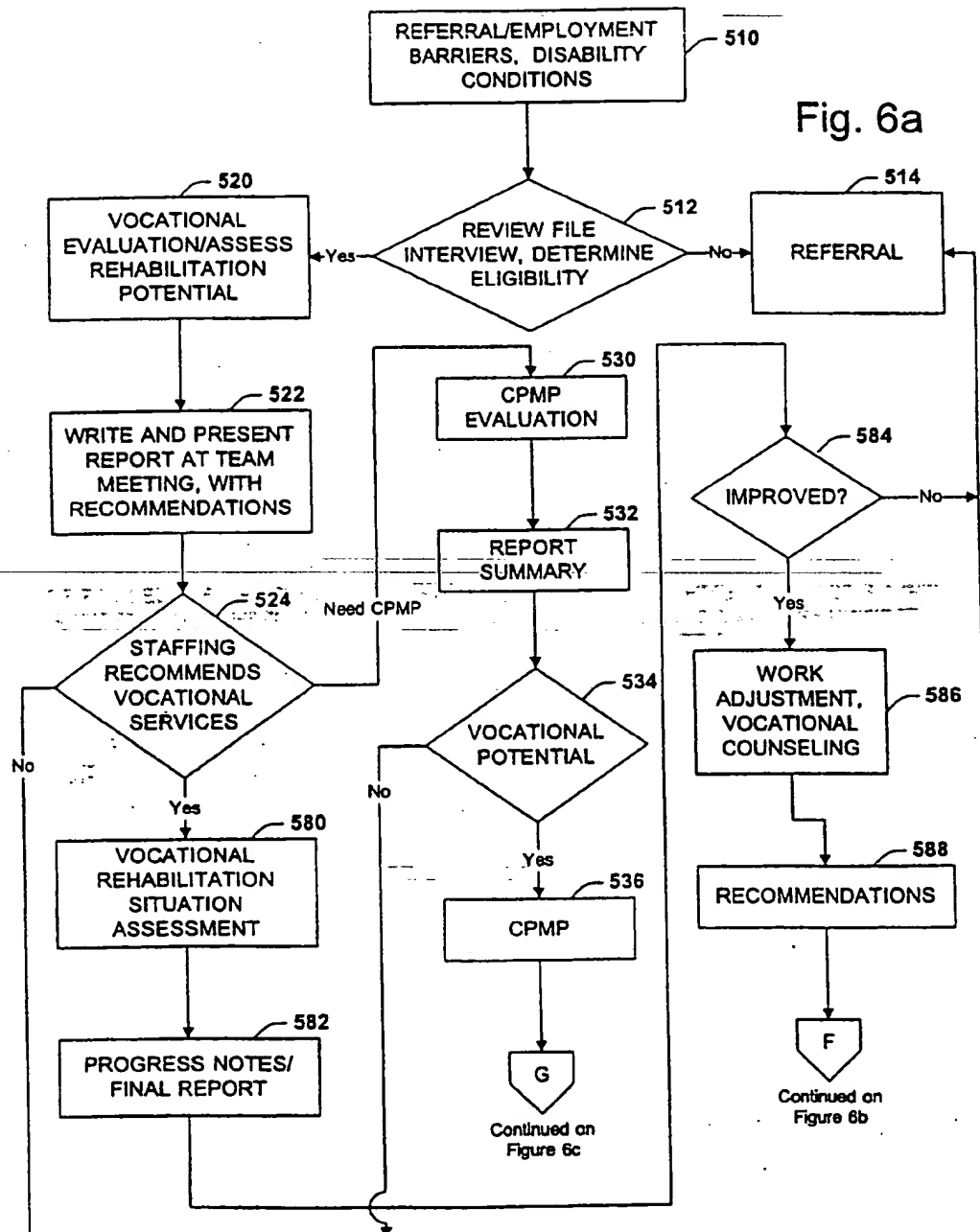


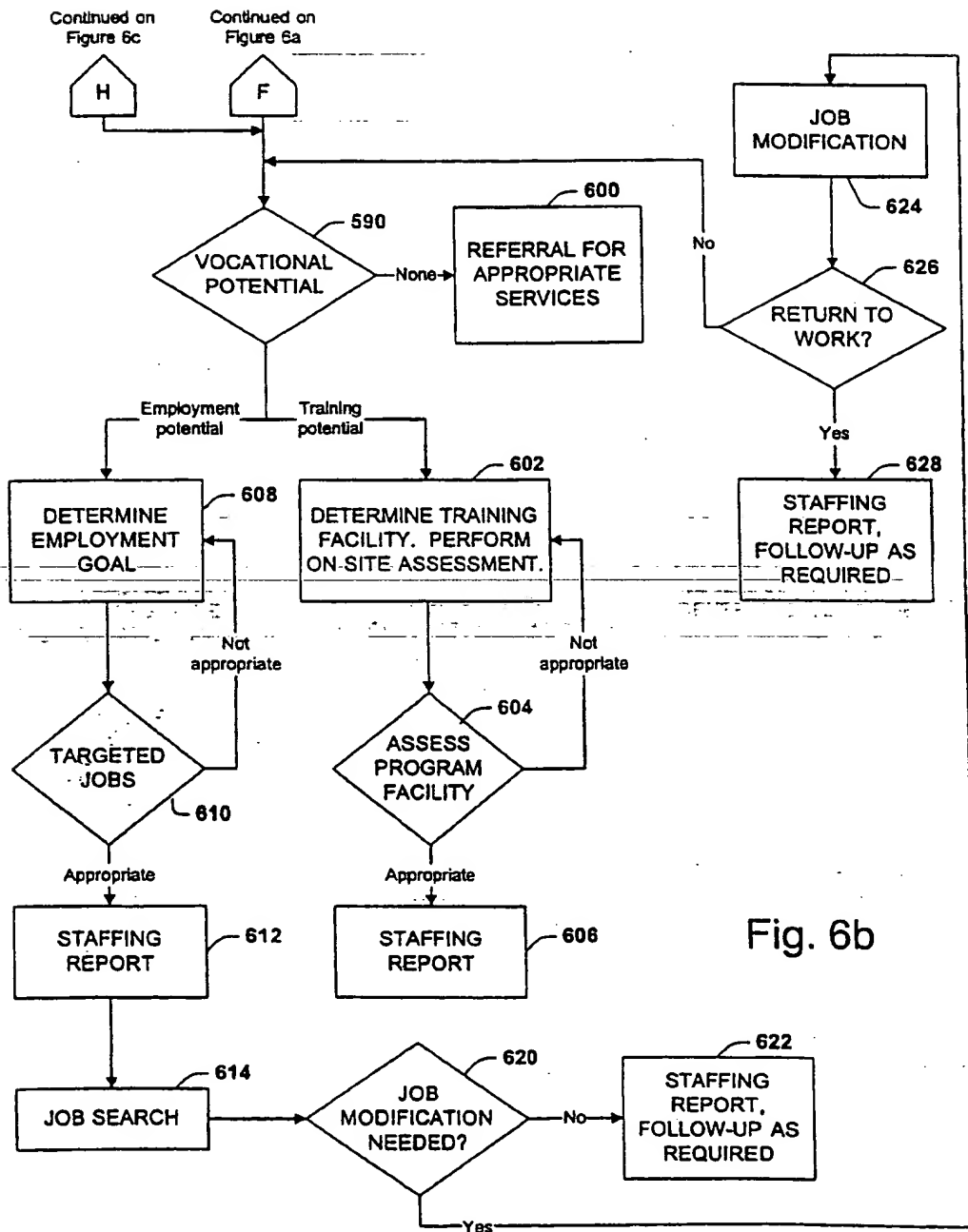
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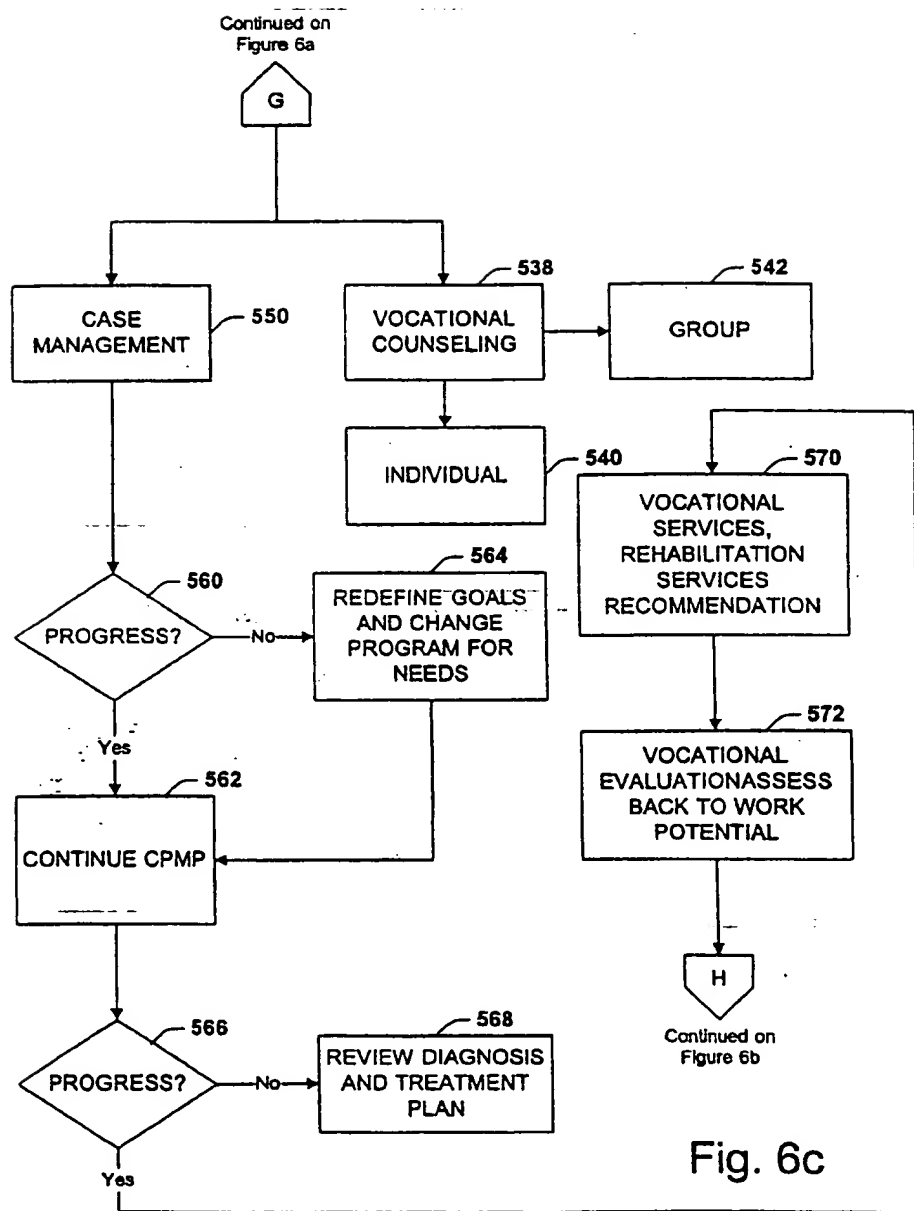
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Fig. 6a





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PATIENT APPOINTMENT NON CLINICAL SUPPORT

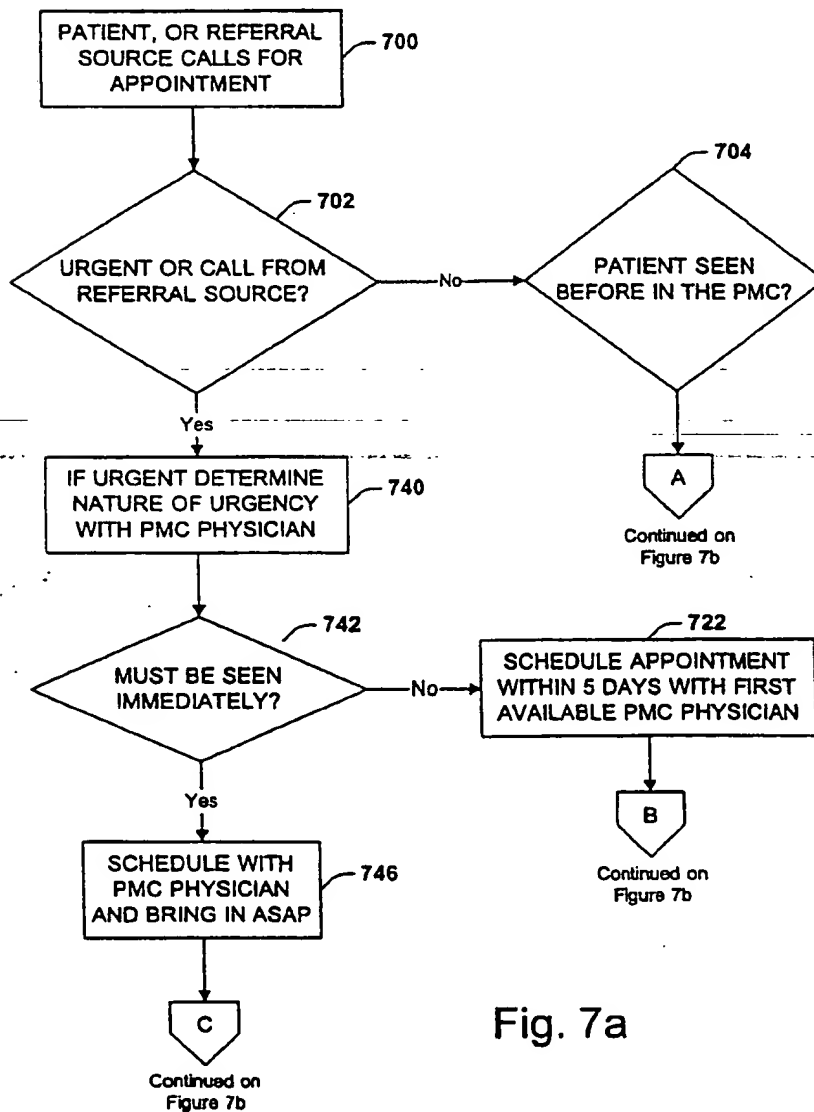


Fig. 7a

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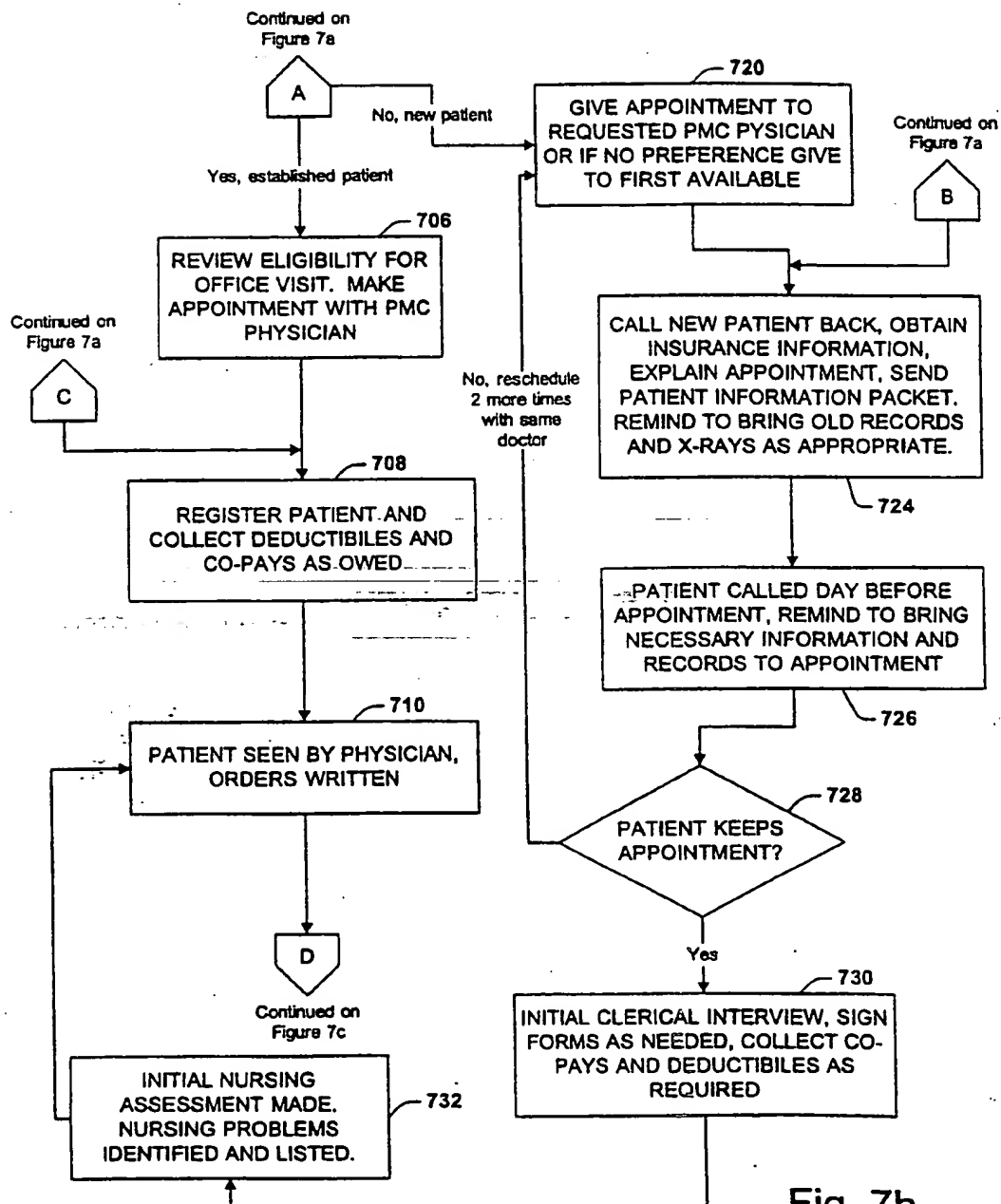
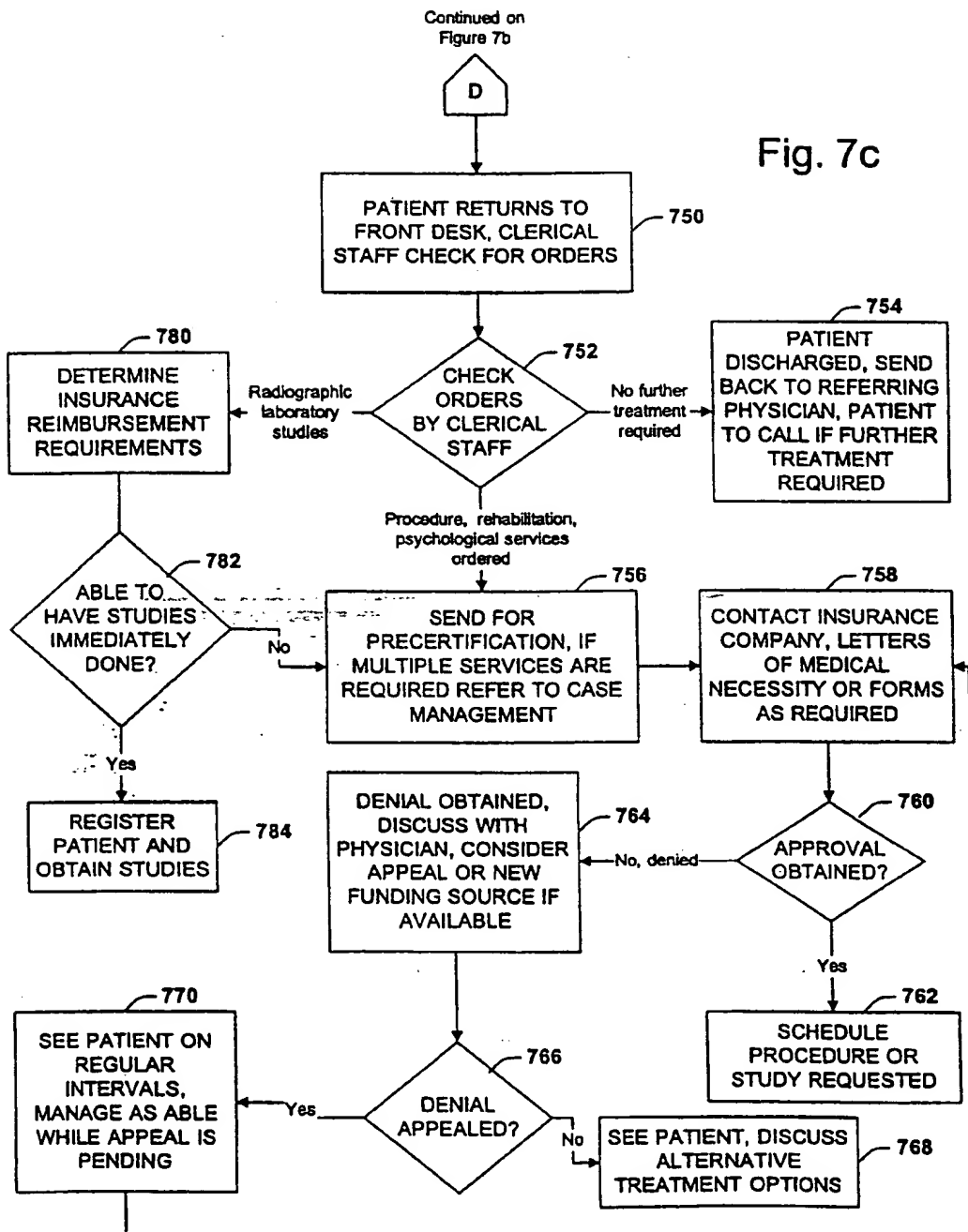


Fig. 7b

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CLASS TREATMENT
DISEASE SPECIFIC OUTCOME
APPROACH

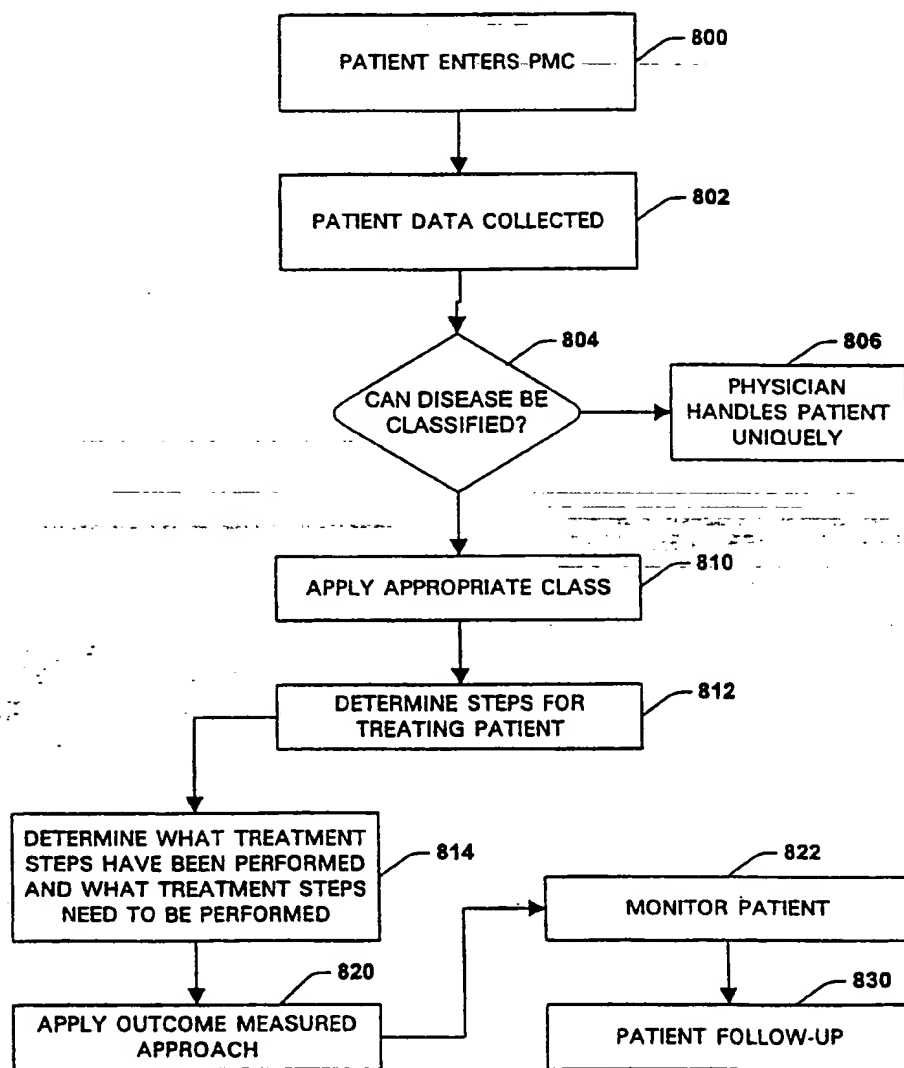


Fig. 8

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Spasticity

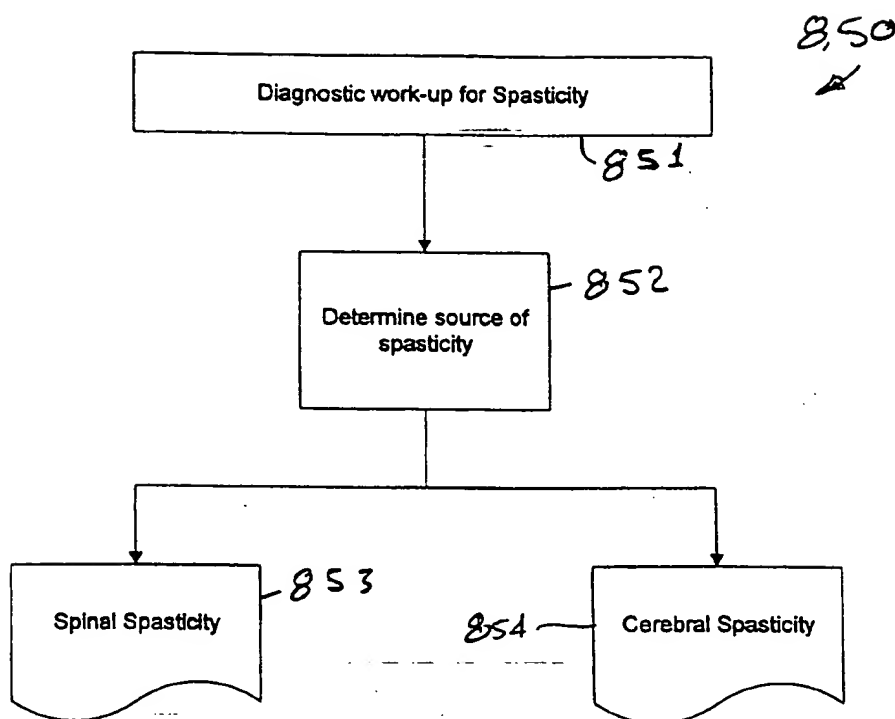
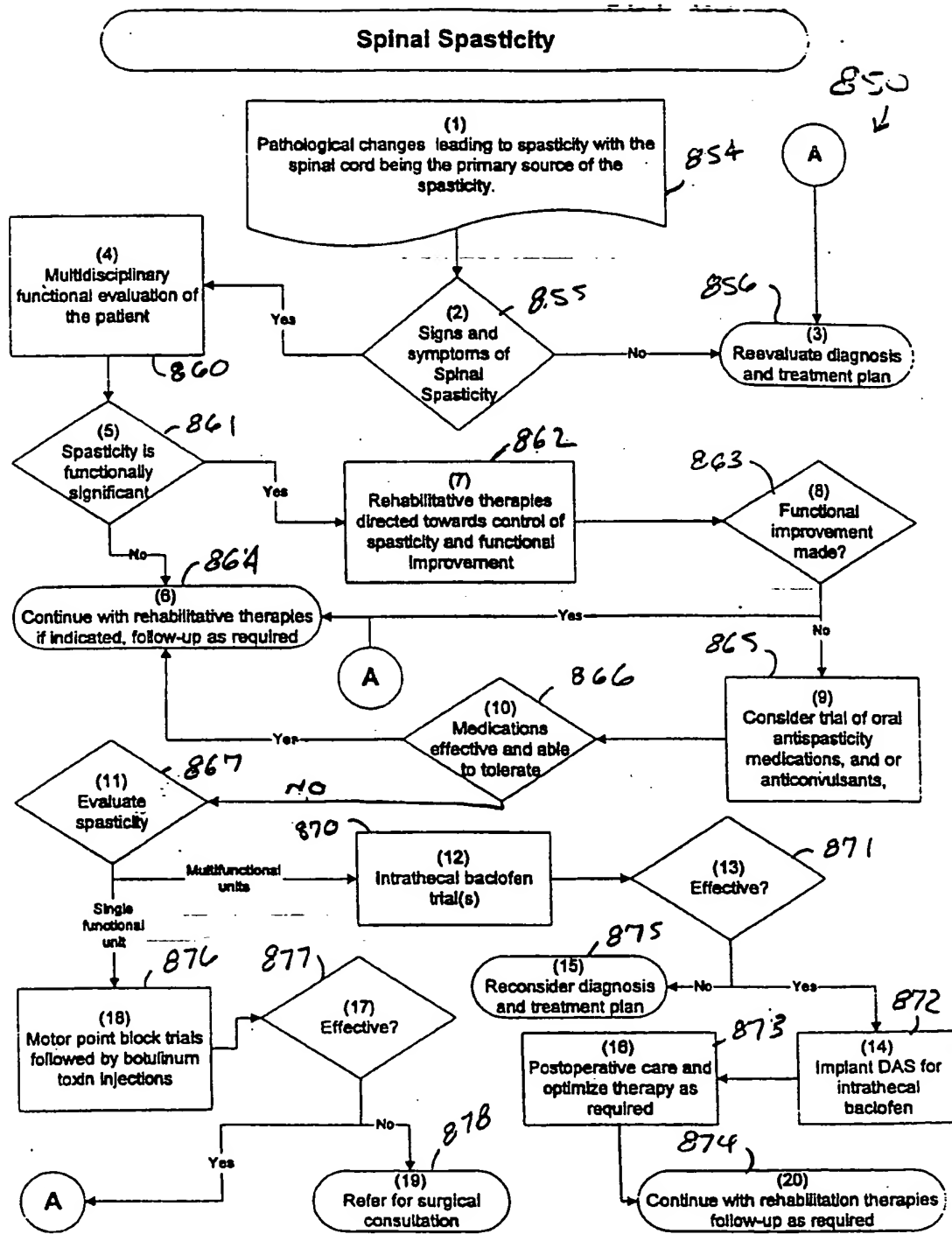


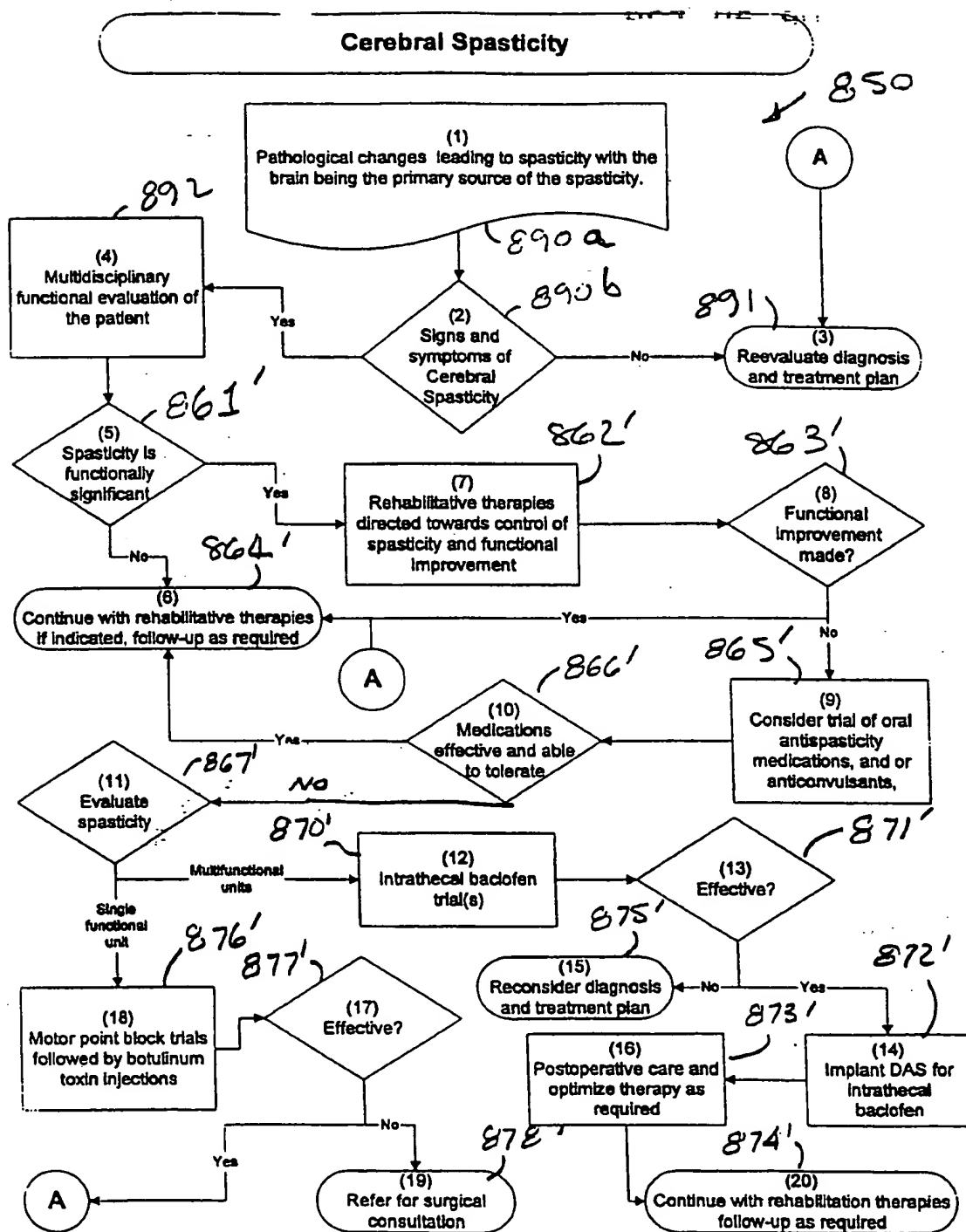
FIG. 9a

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Pain of Auto-Immune Deficiency Syndrome

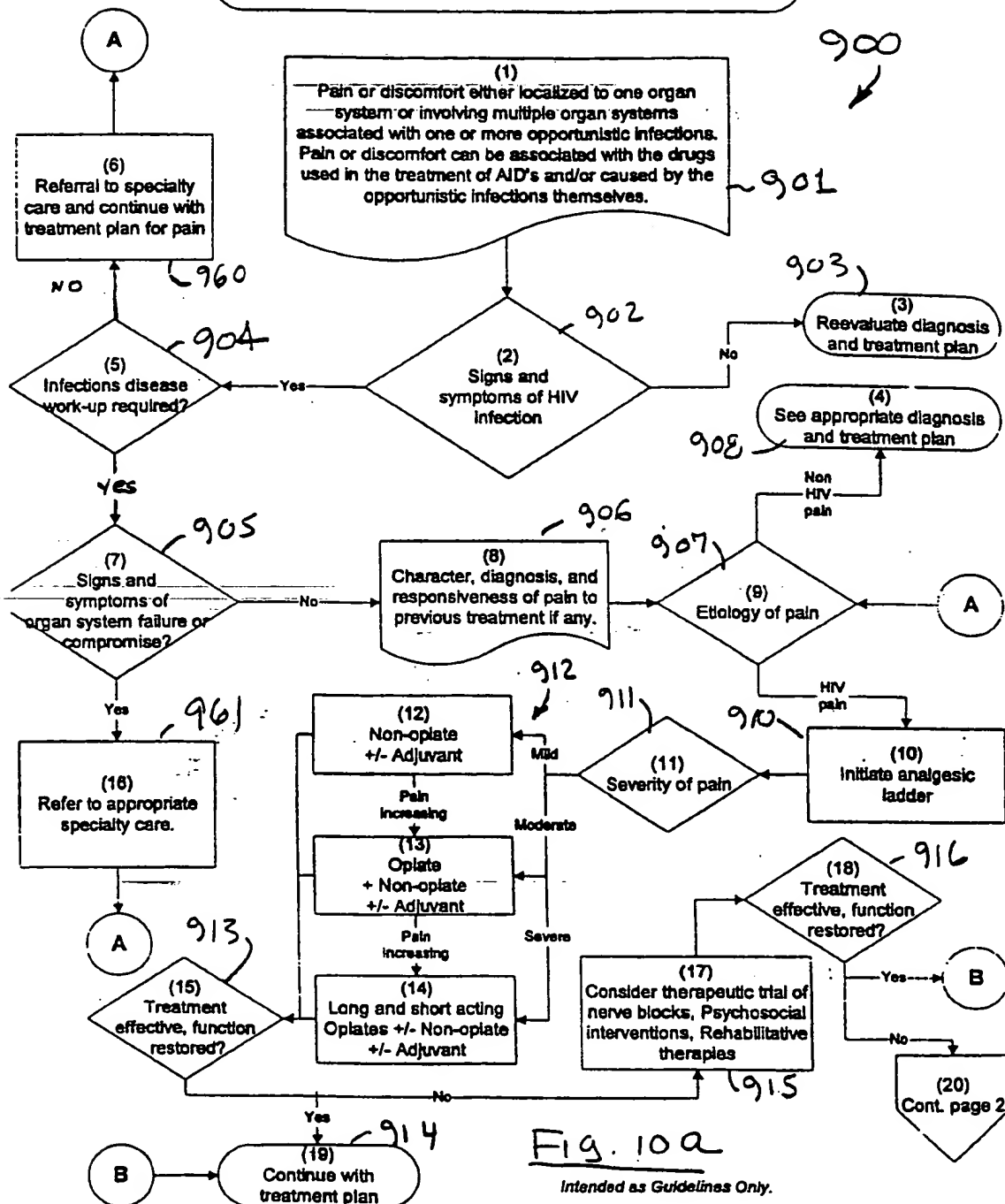
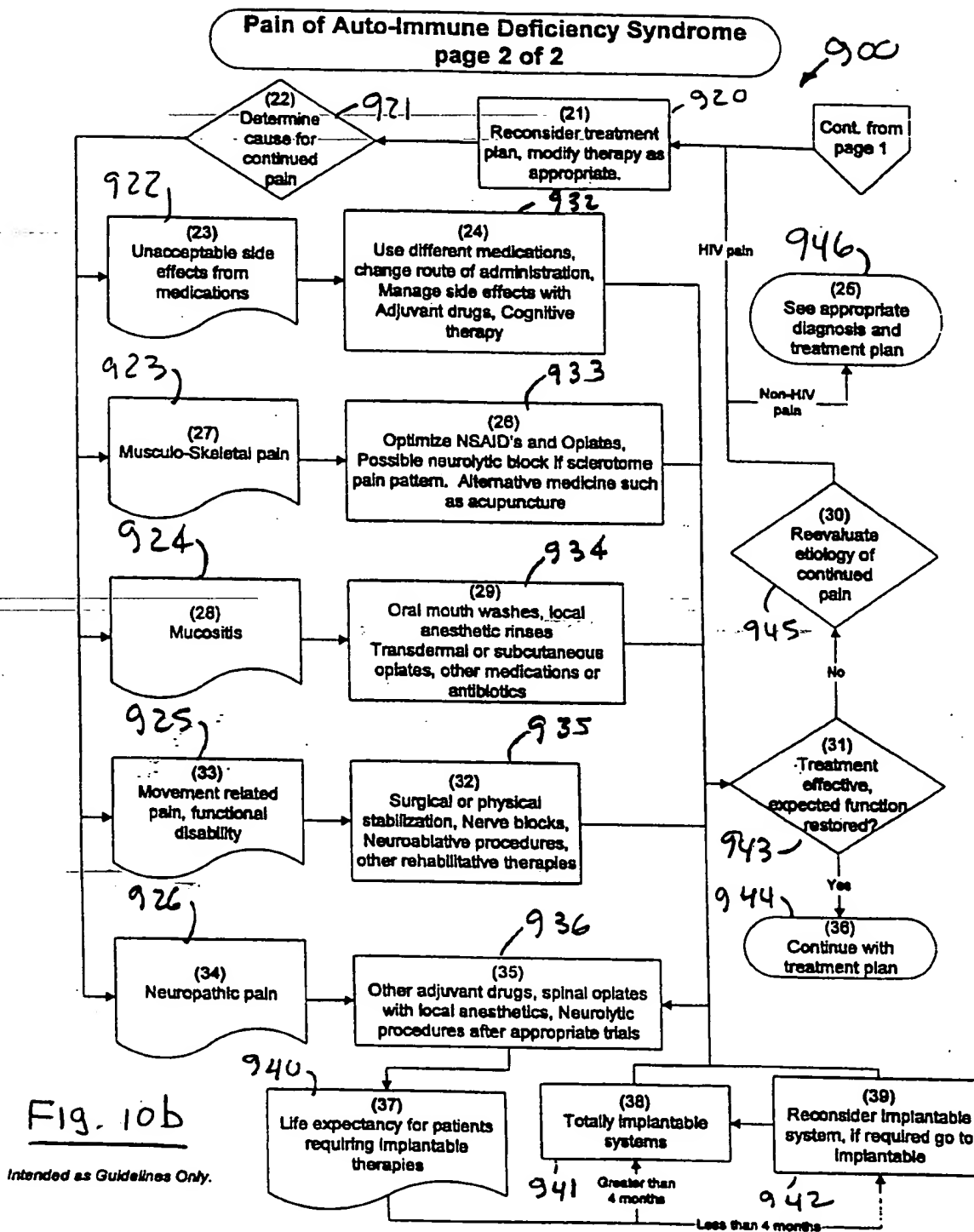


Fig. 10a

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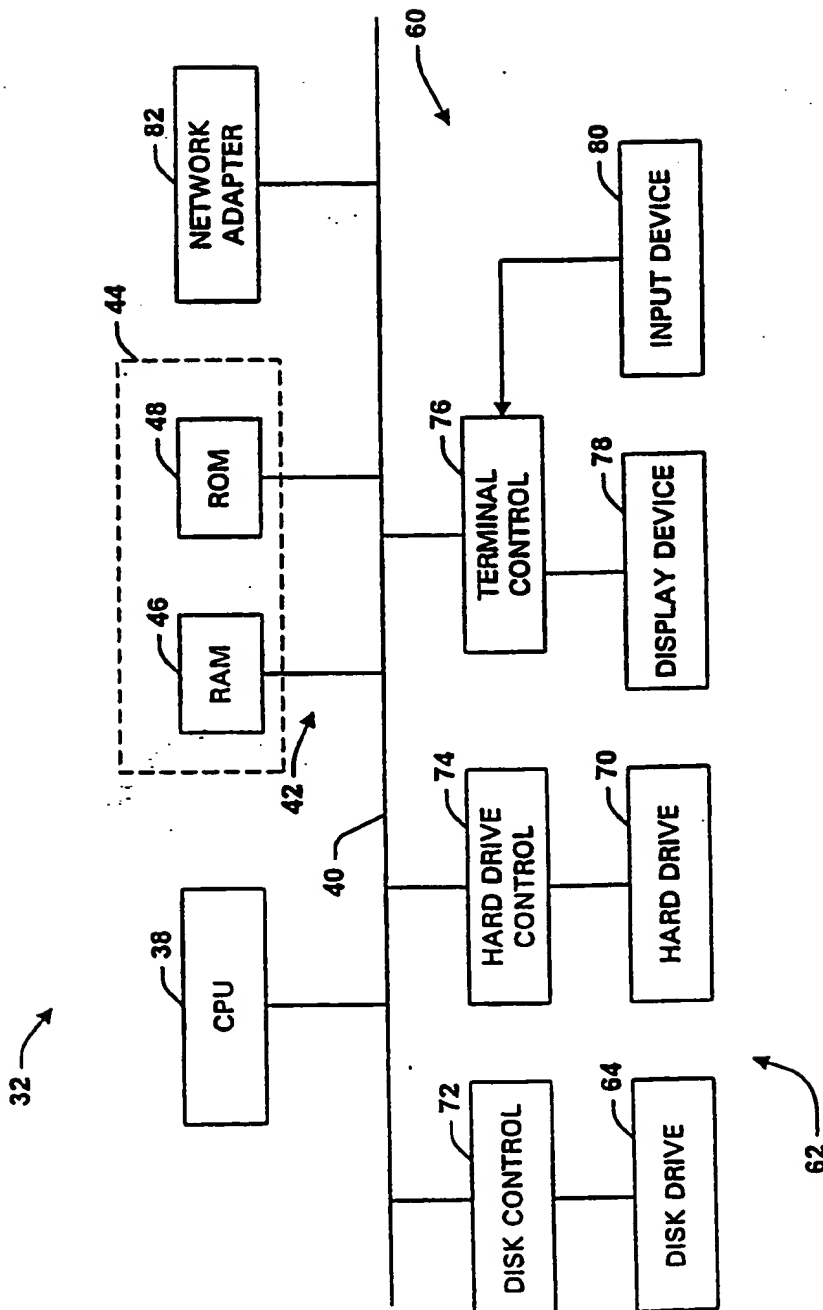


Fig. 1

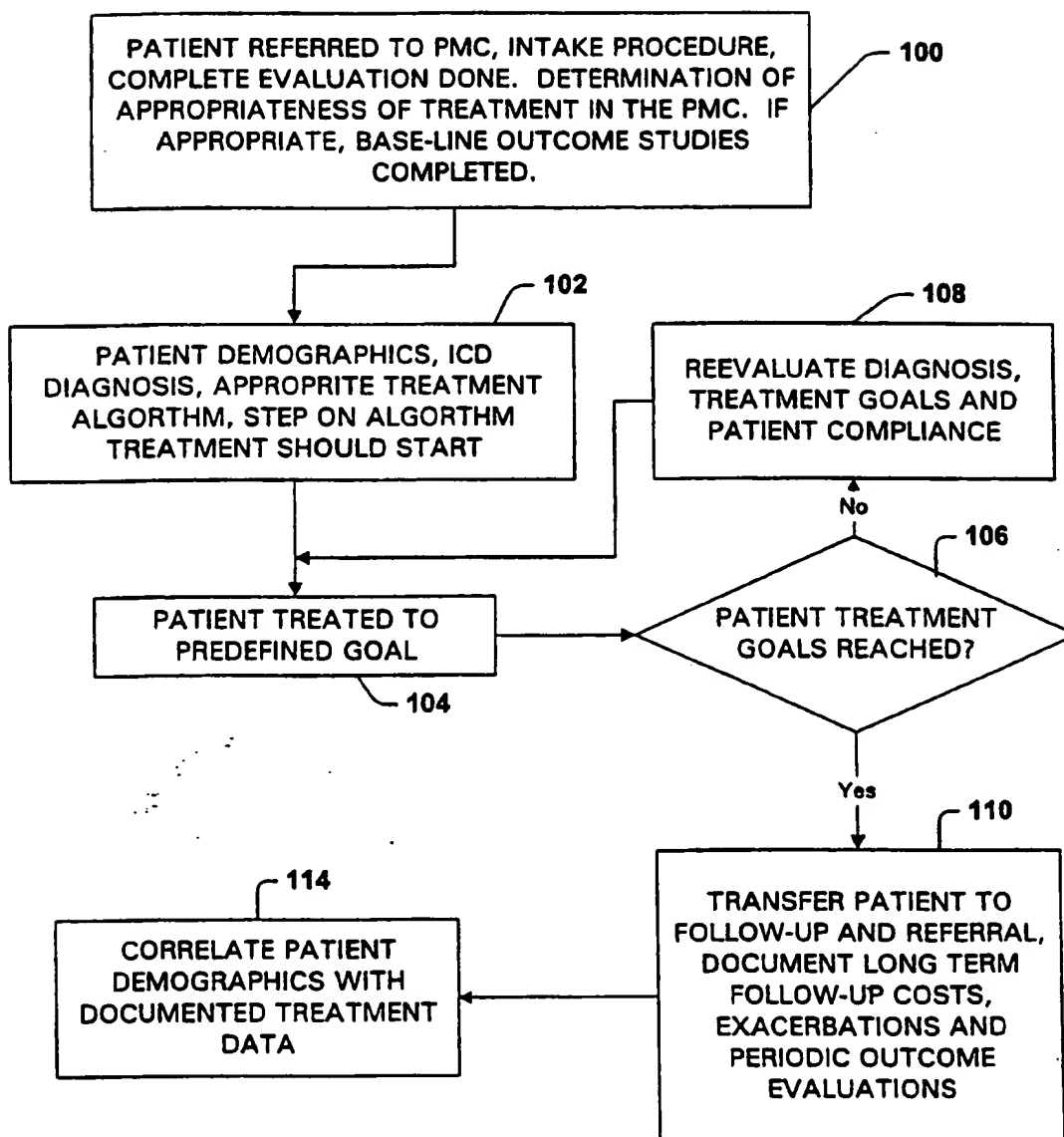


Fig. 2

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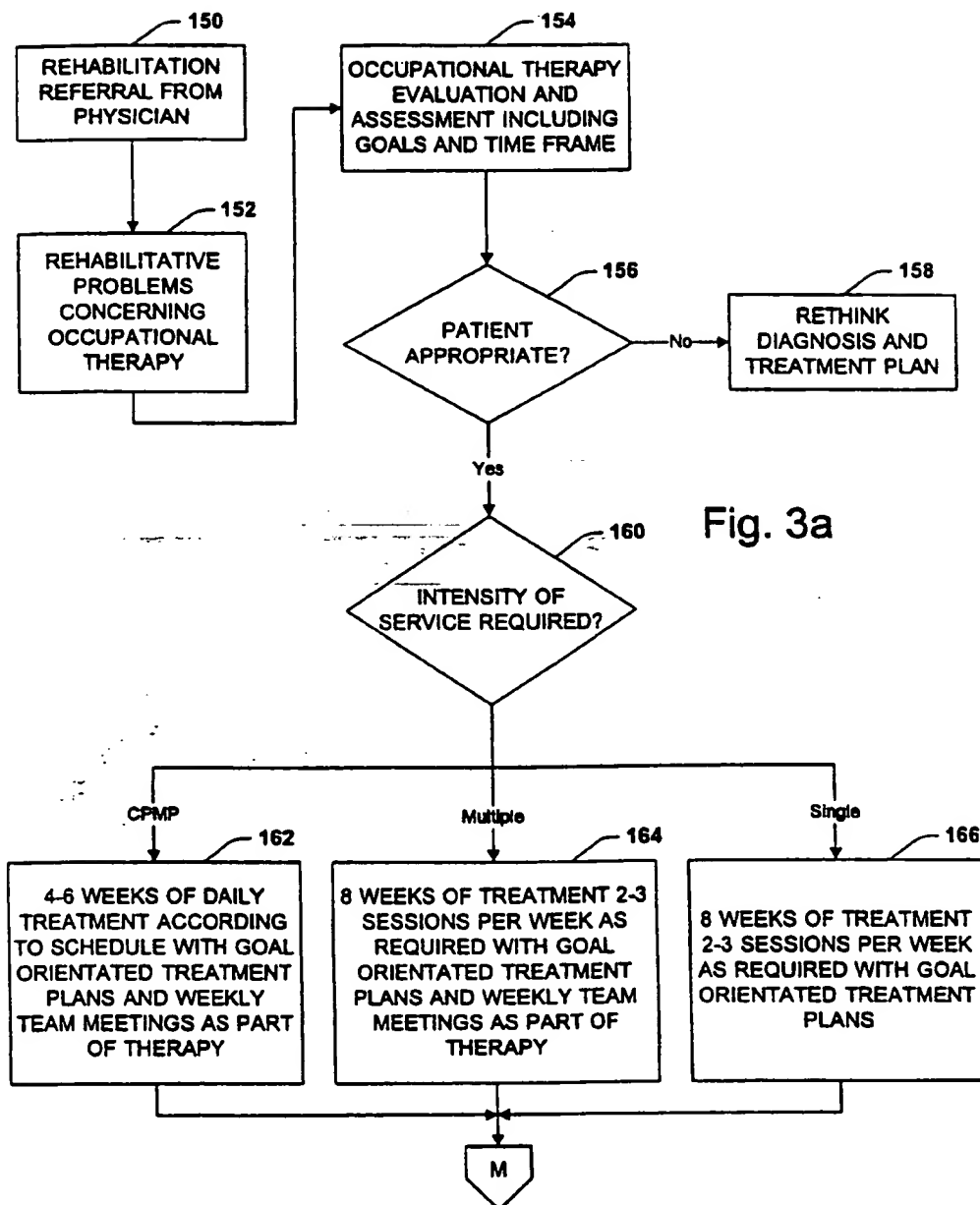
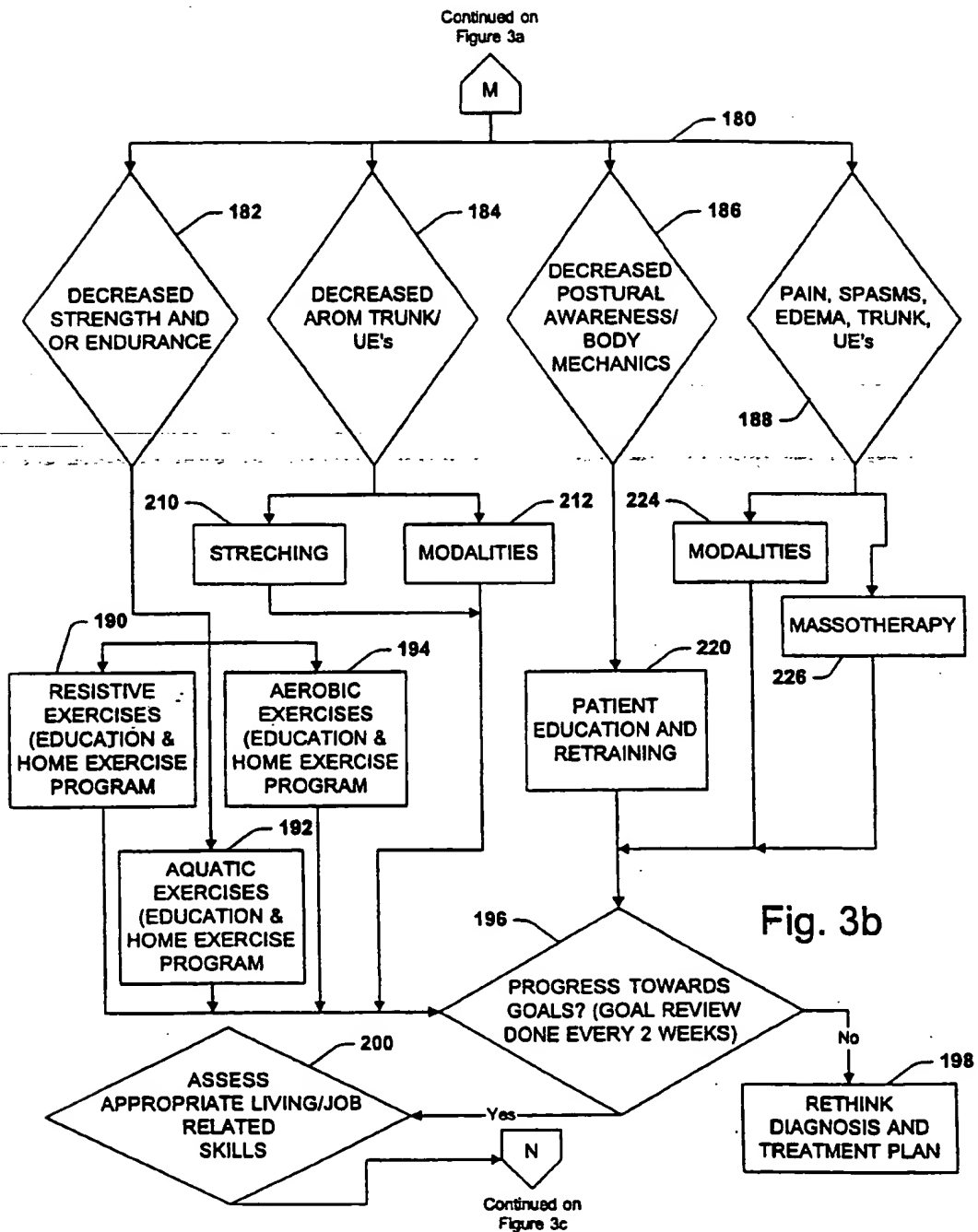


Fig. 3a

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Figure 3b

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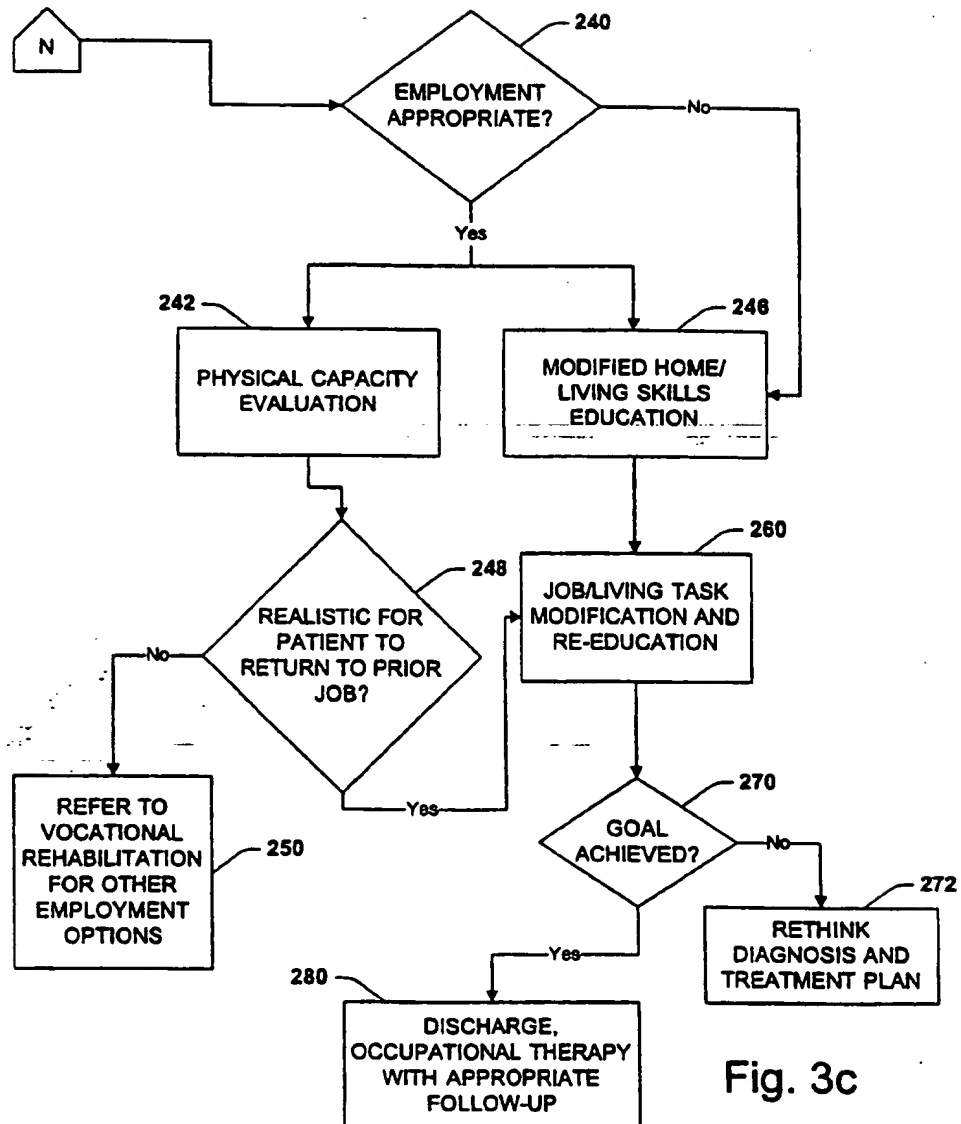
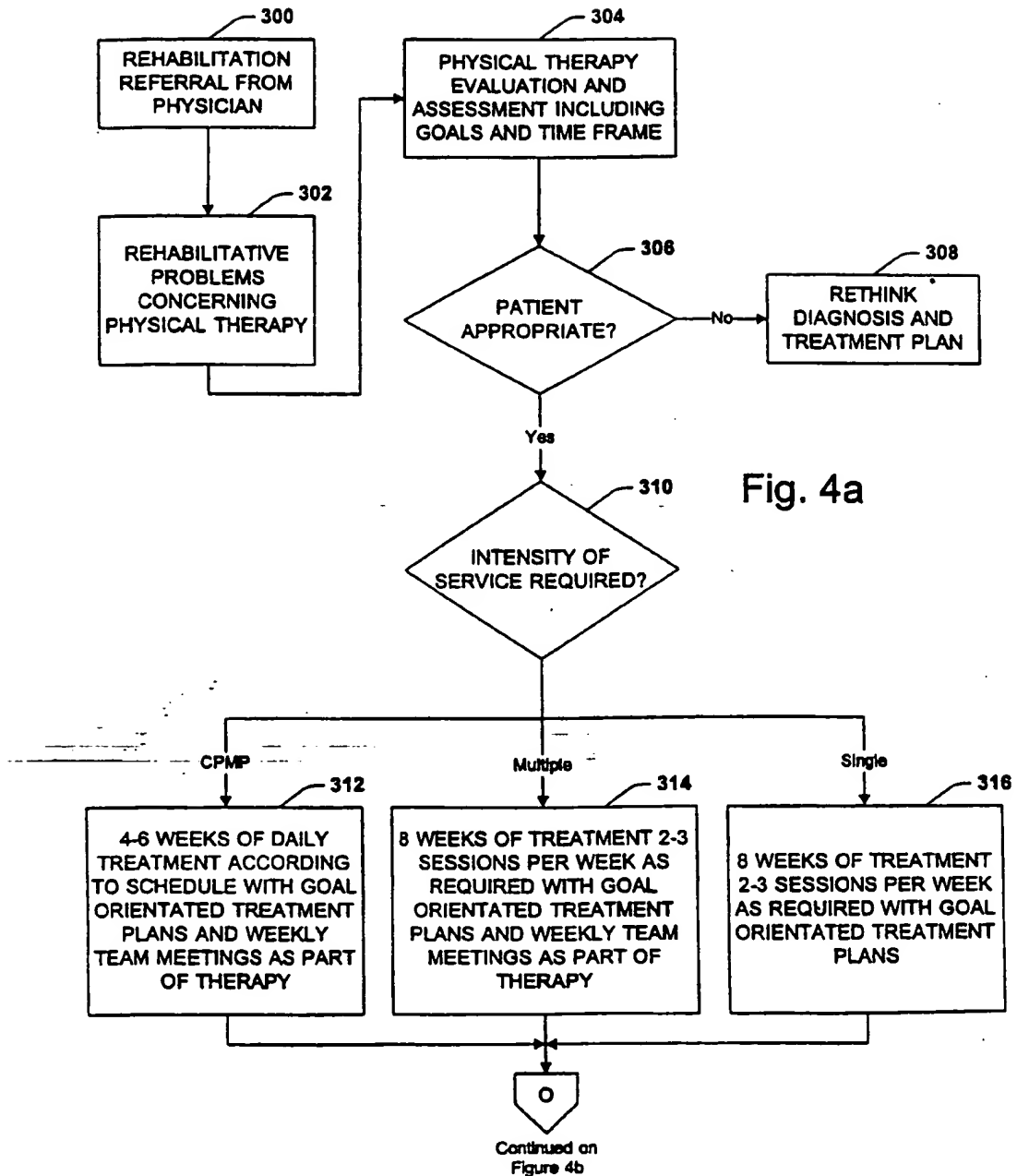
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Figure 3b

Fig. 3c

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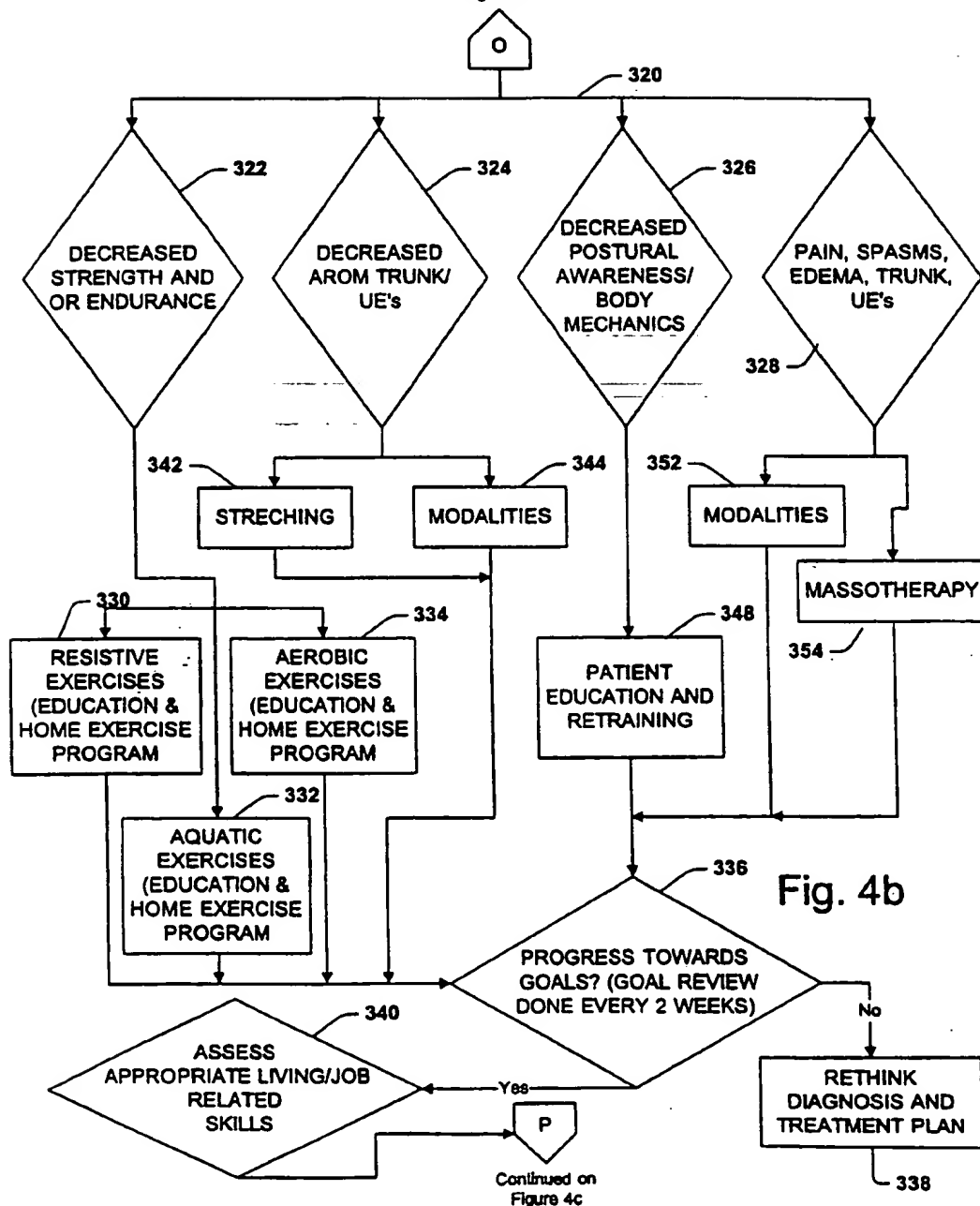
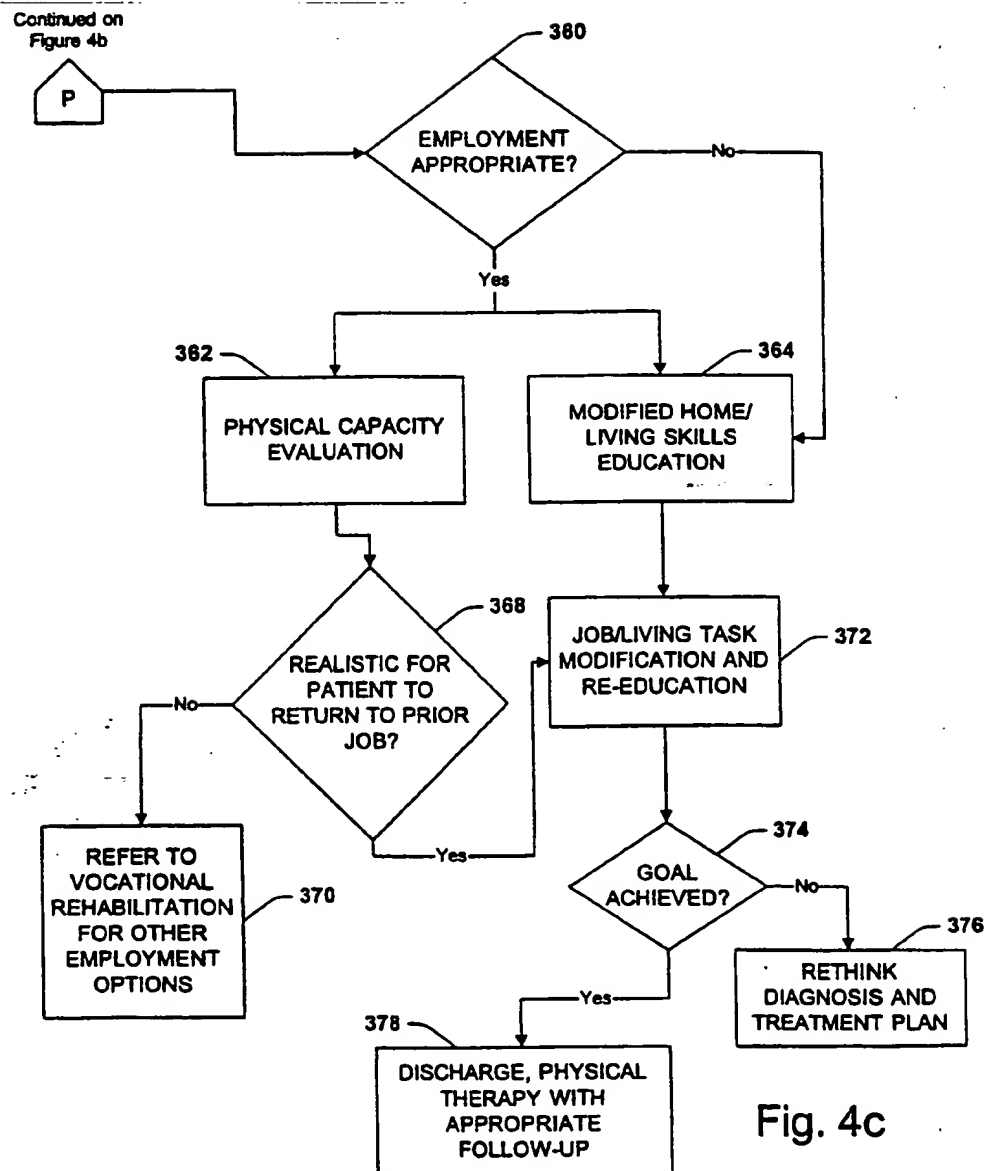
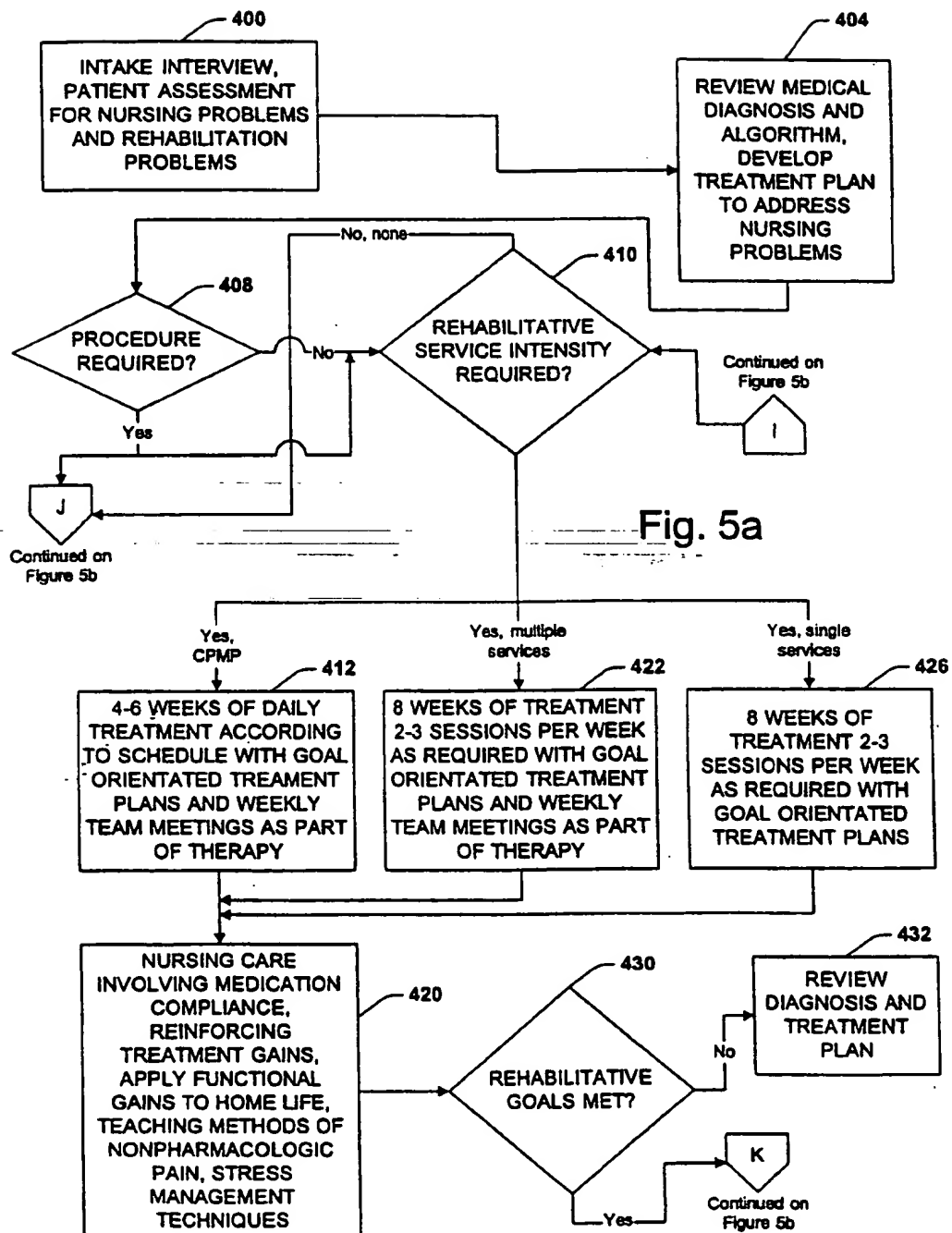
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Figure 4a

Fig. 4b

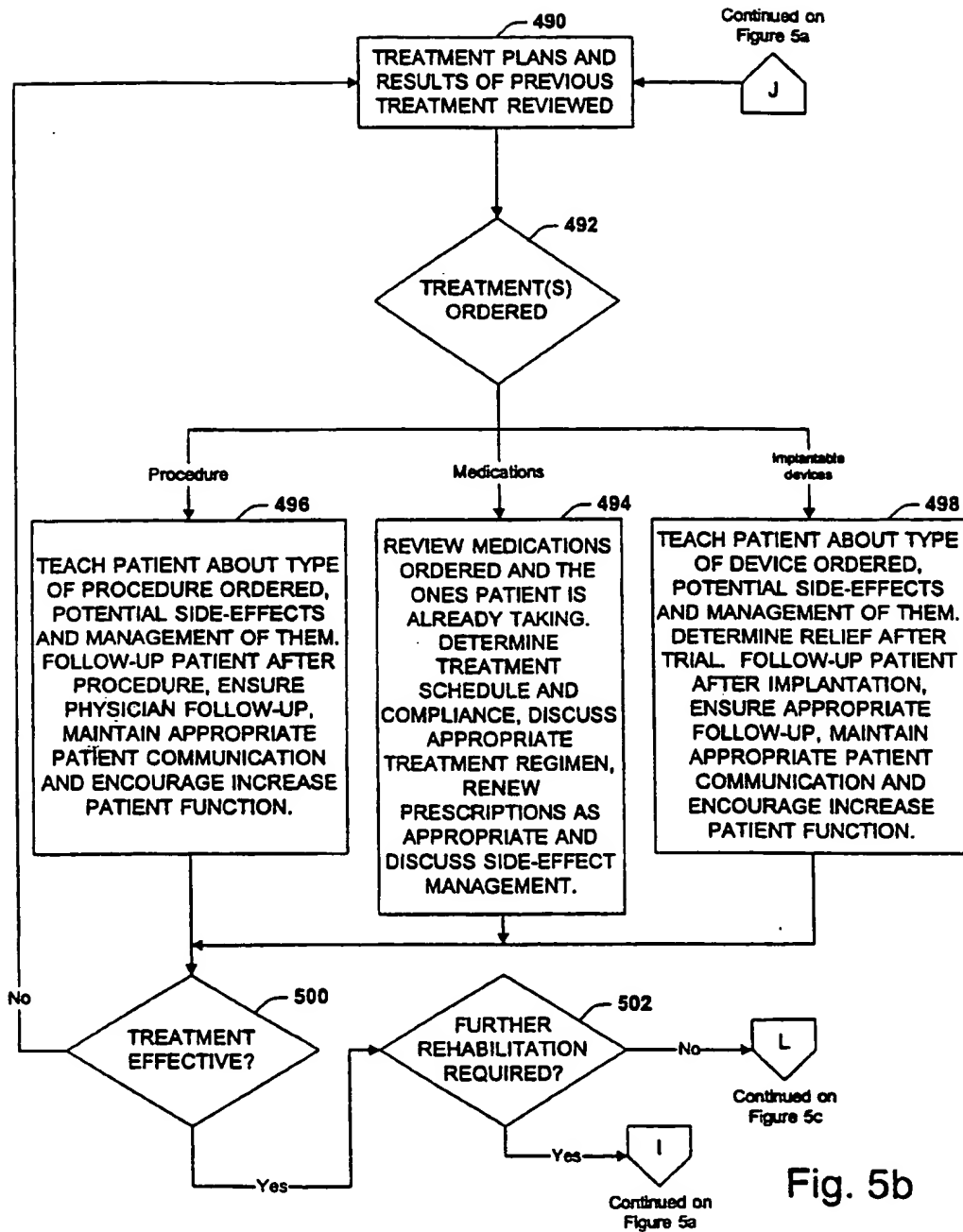
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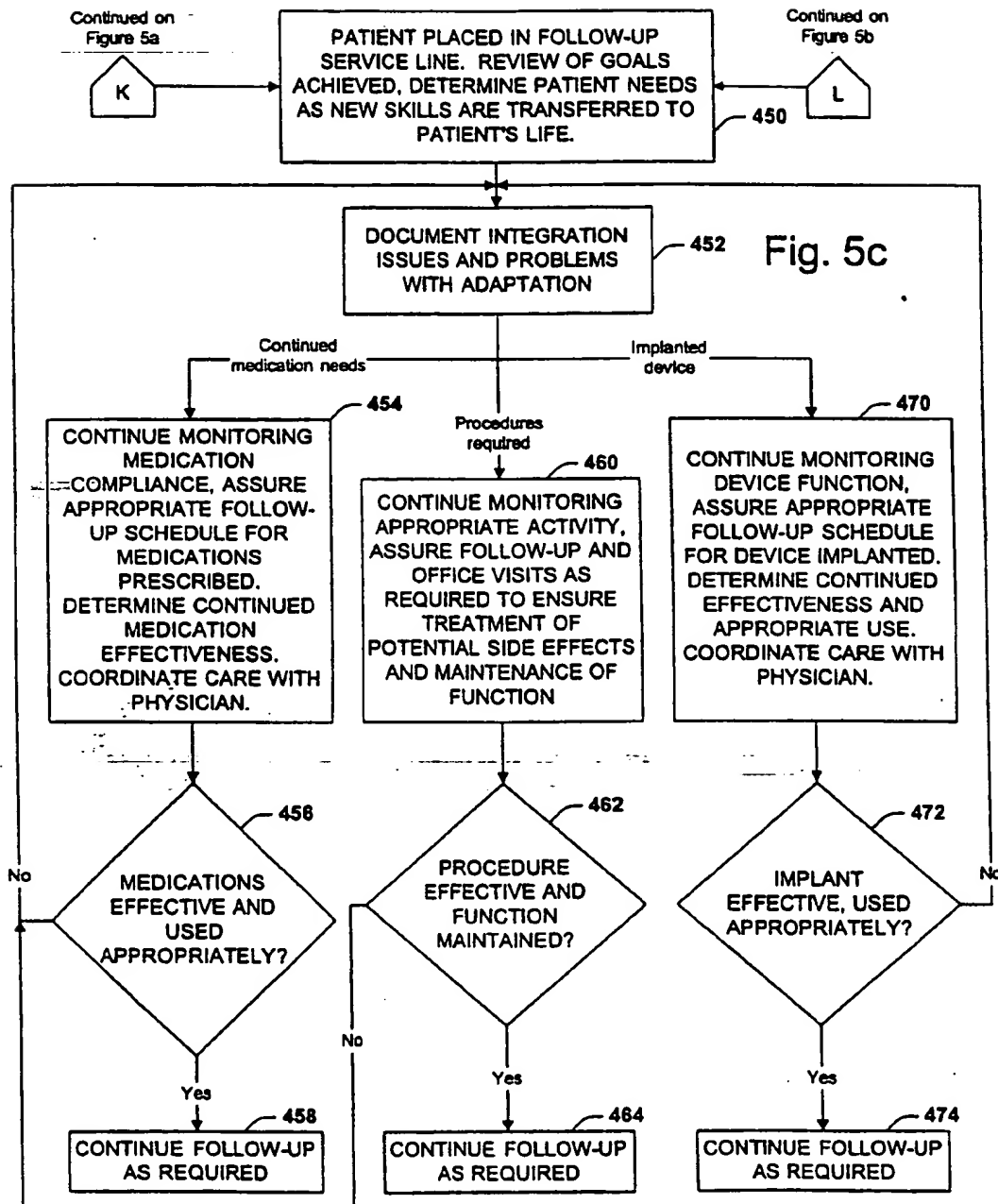
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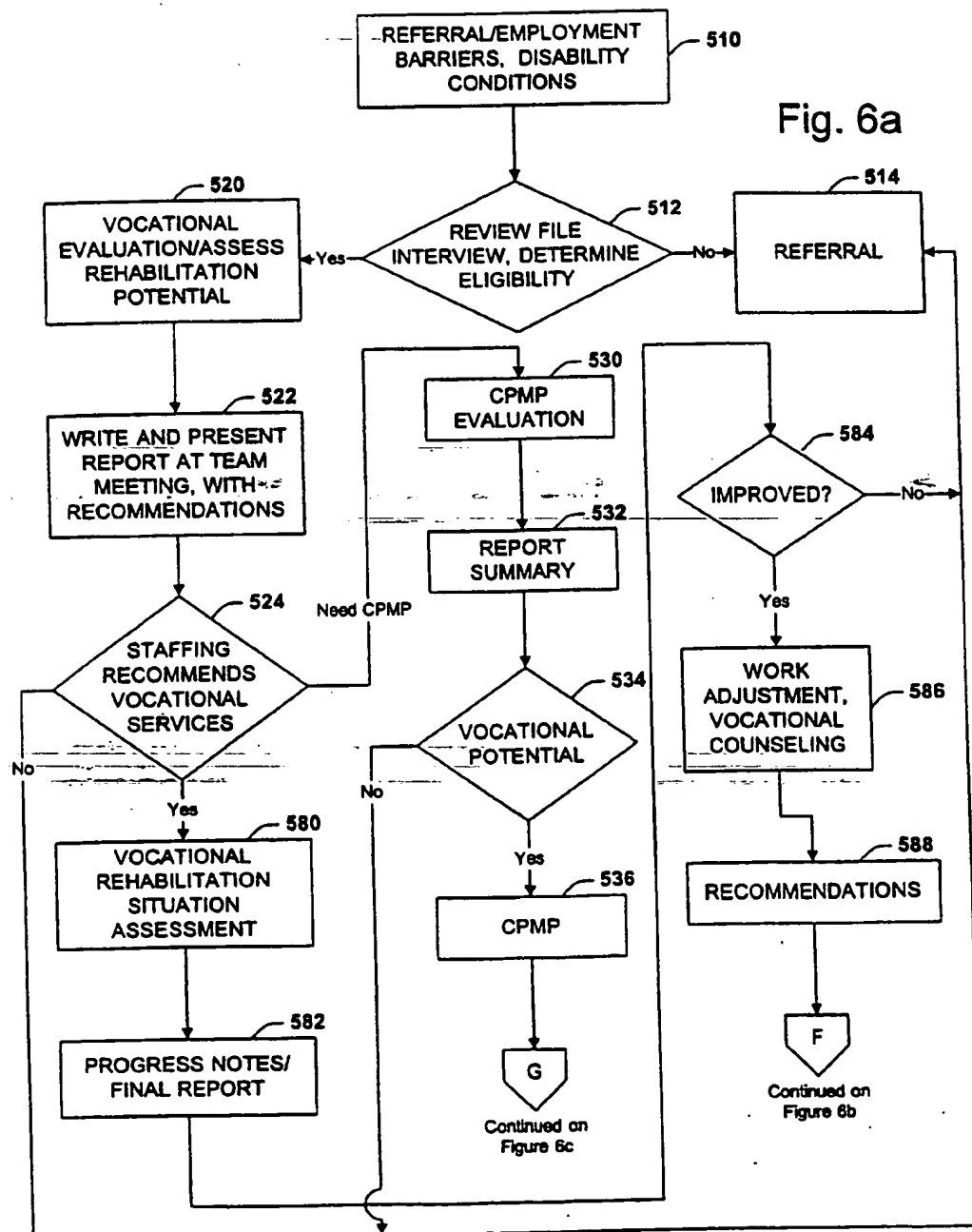


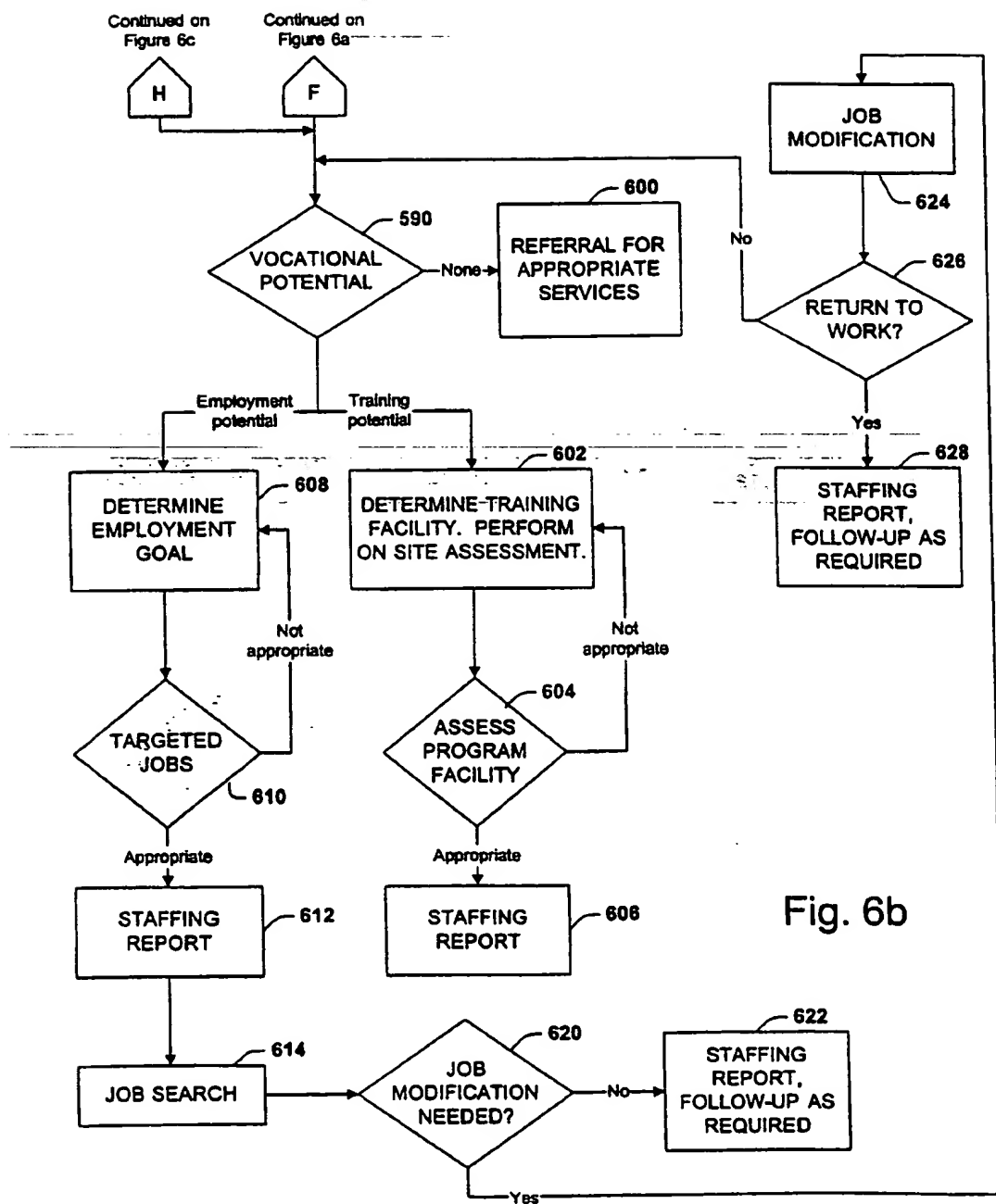
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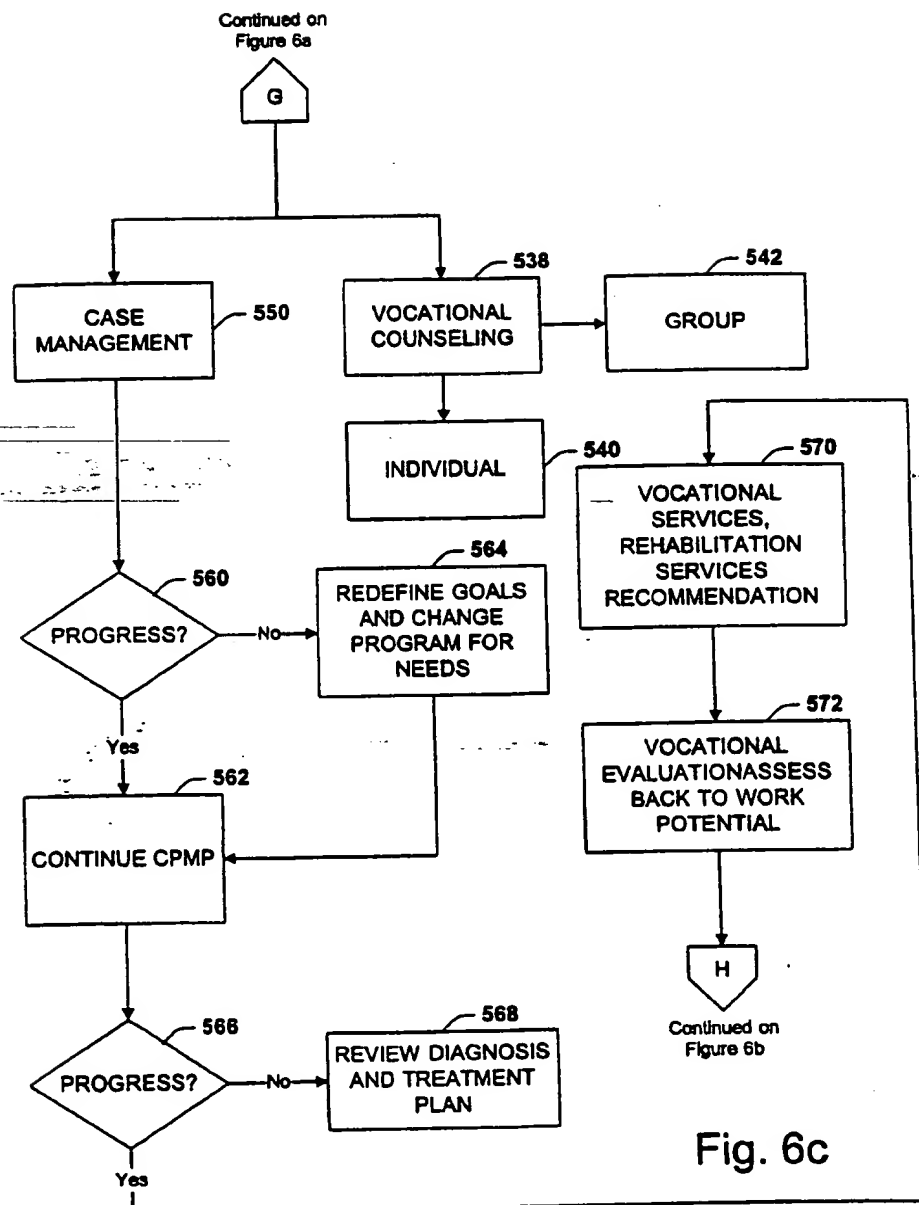
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Fig. 6a





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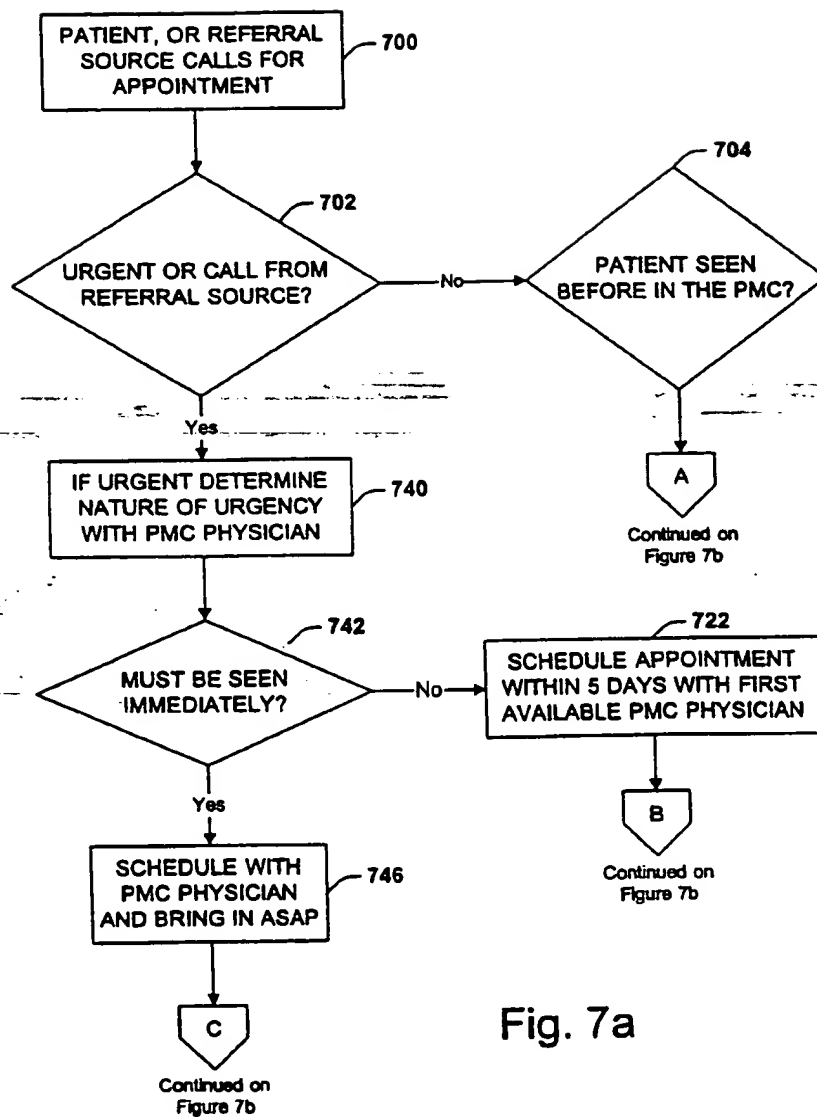


Fig. 7a

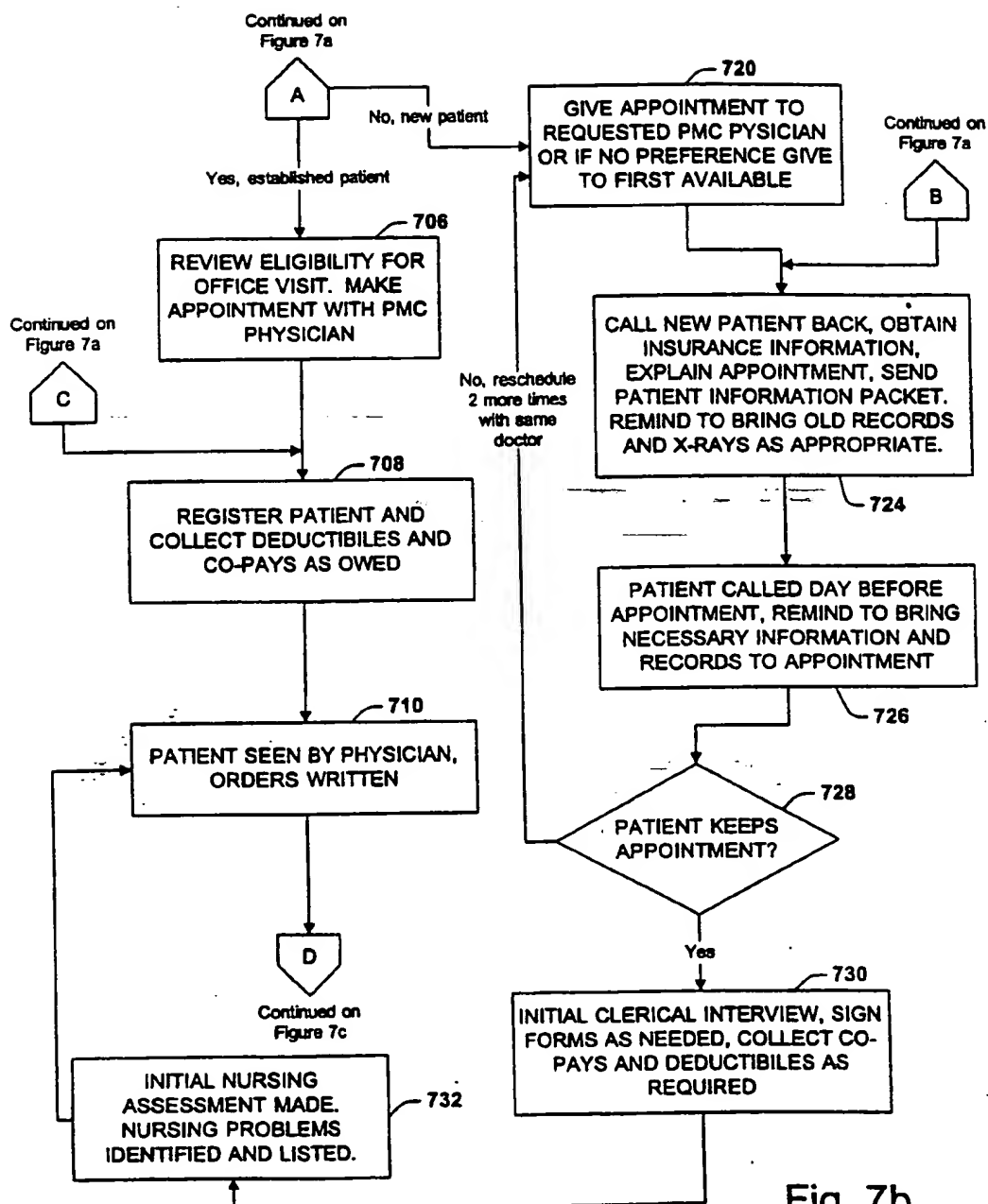
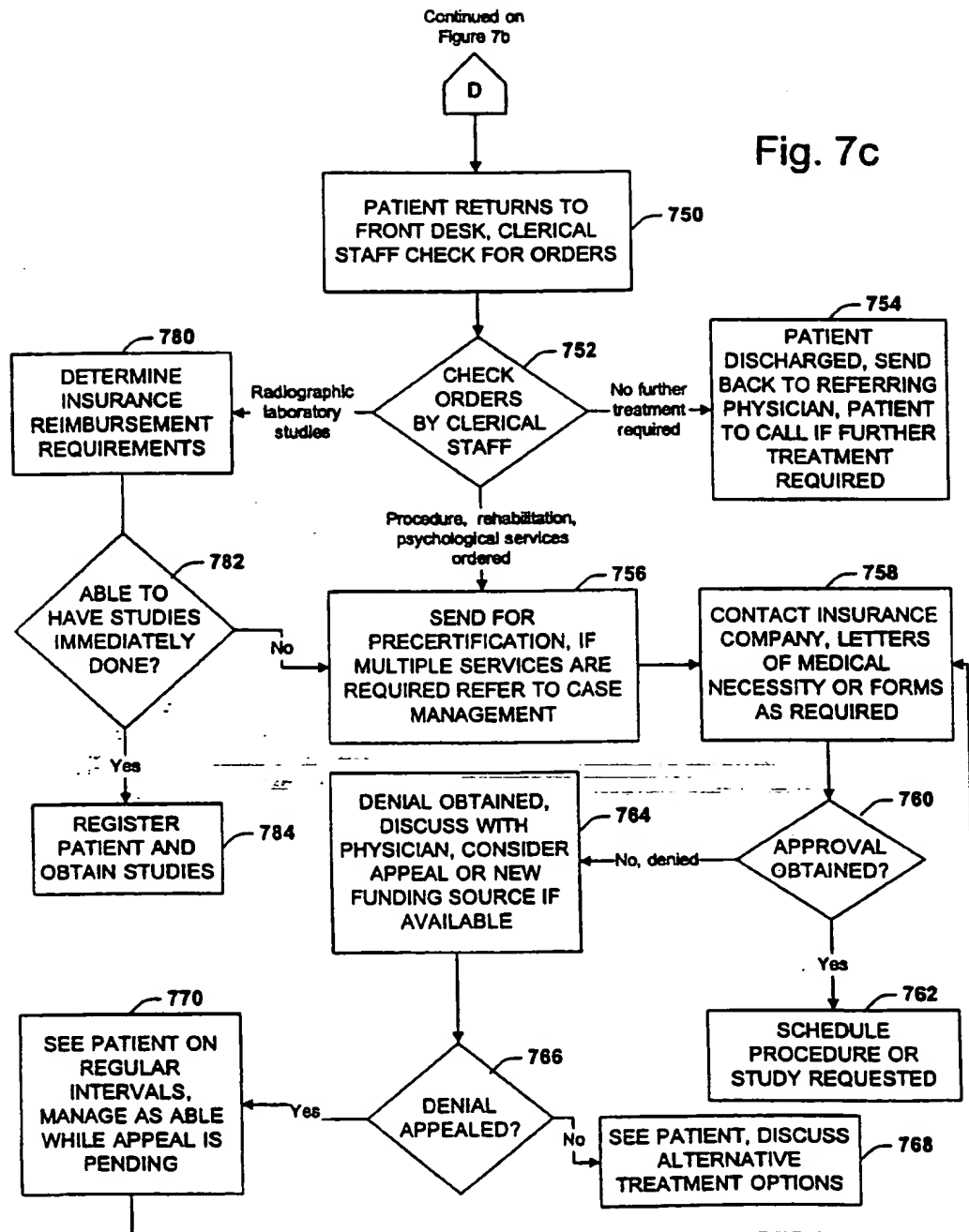


Fig. 7b

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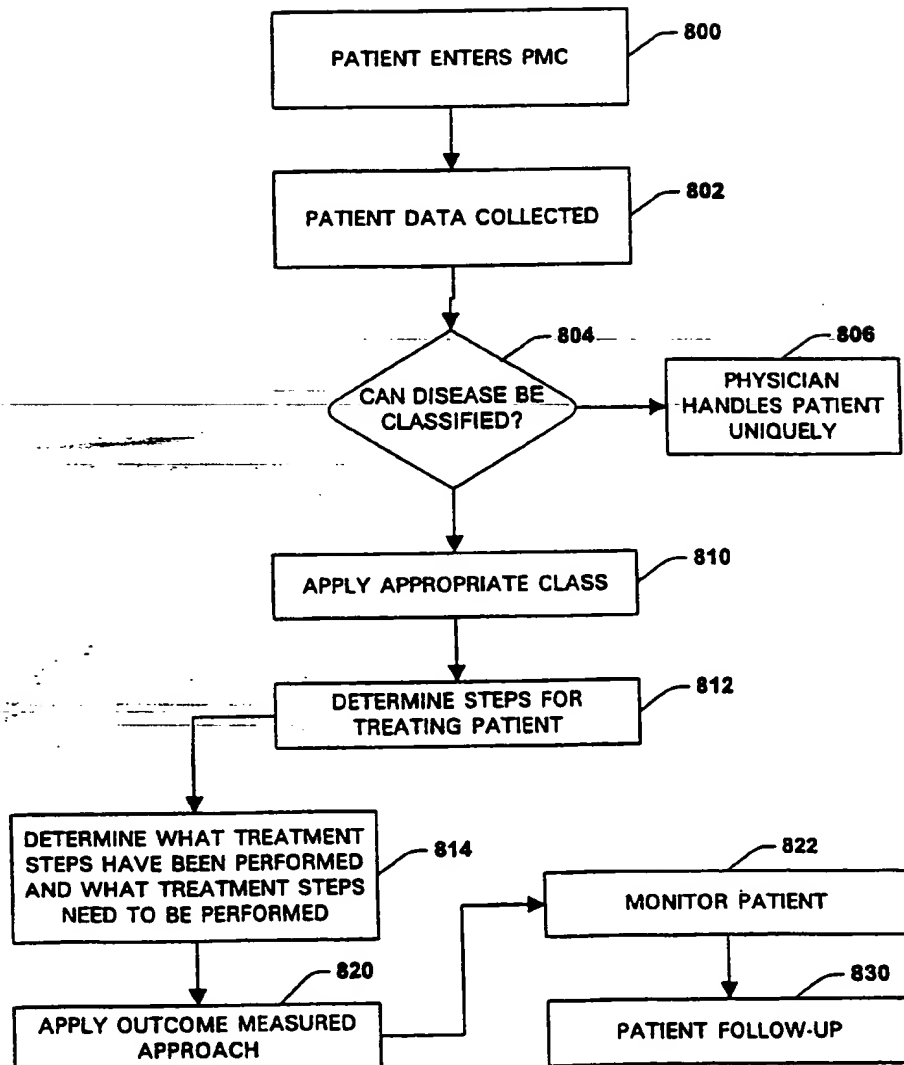


Fig. 8

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Spasticity

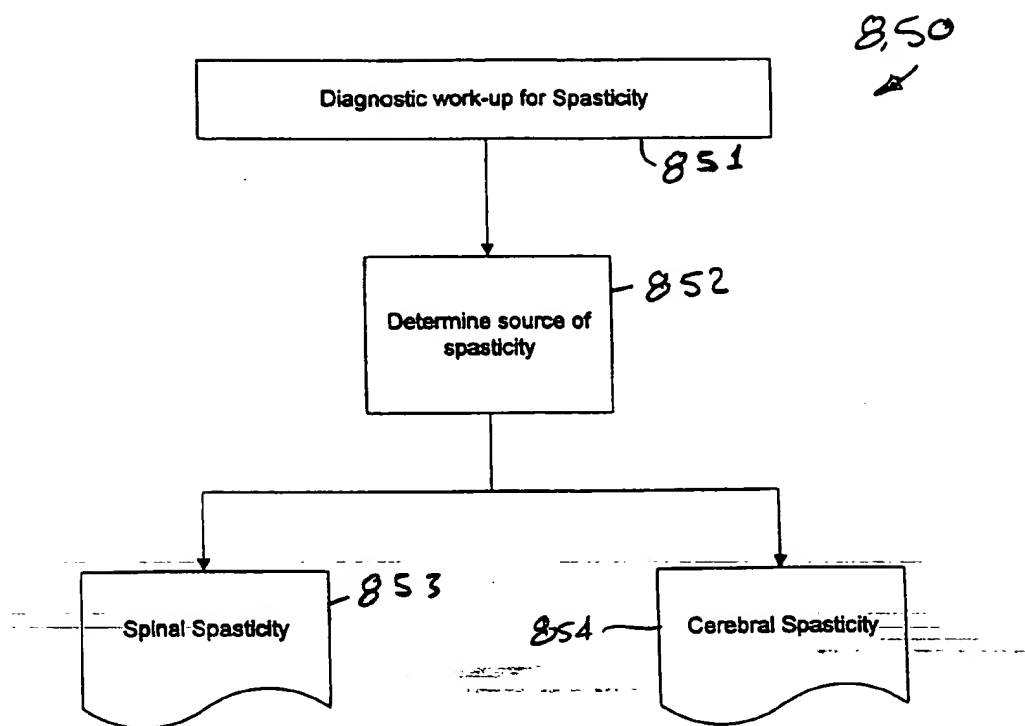
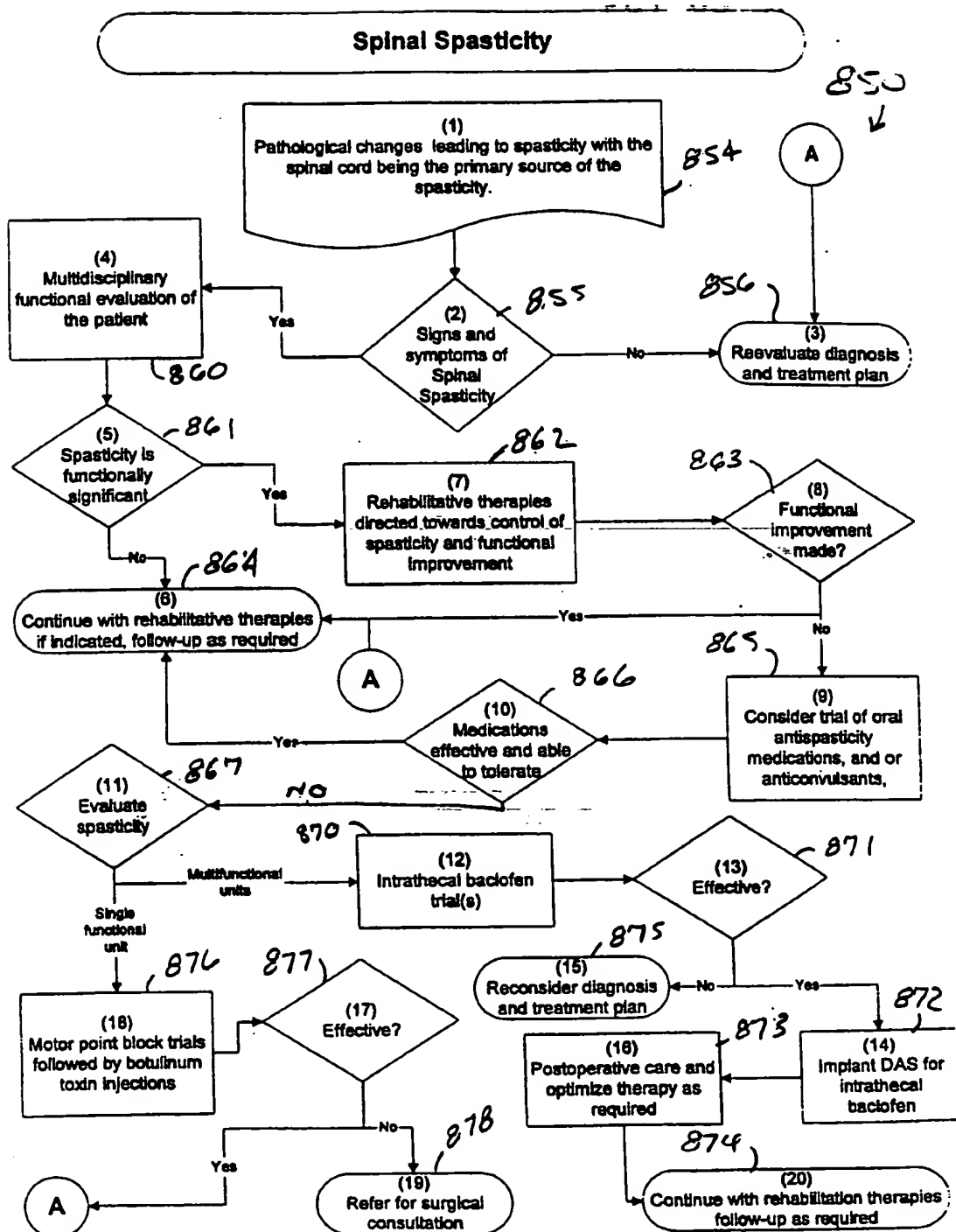


FIG. 9a

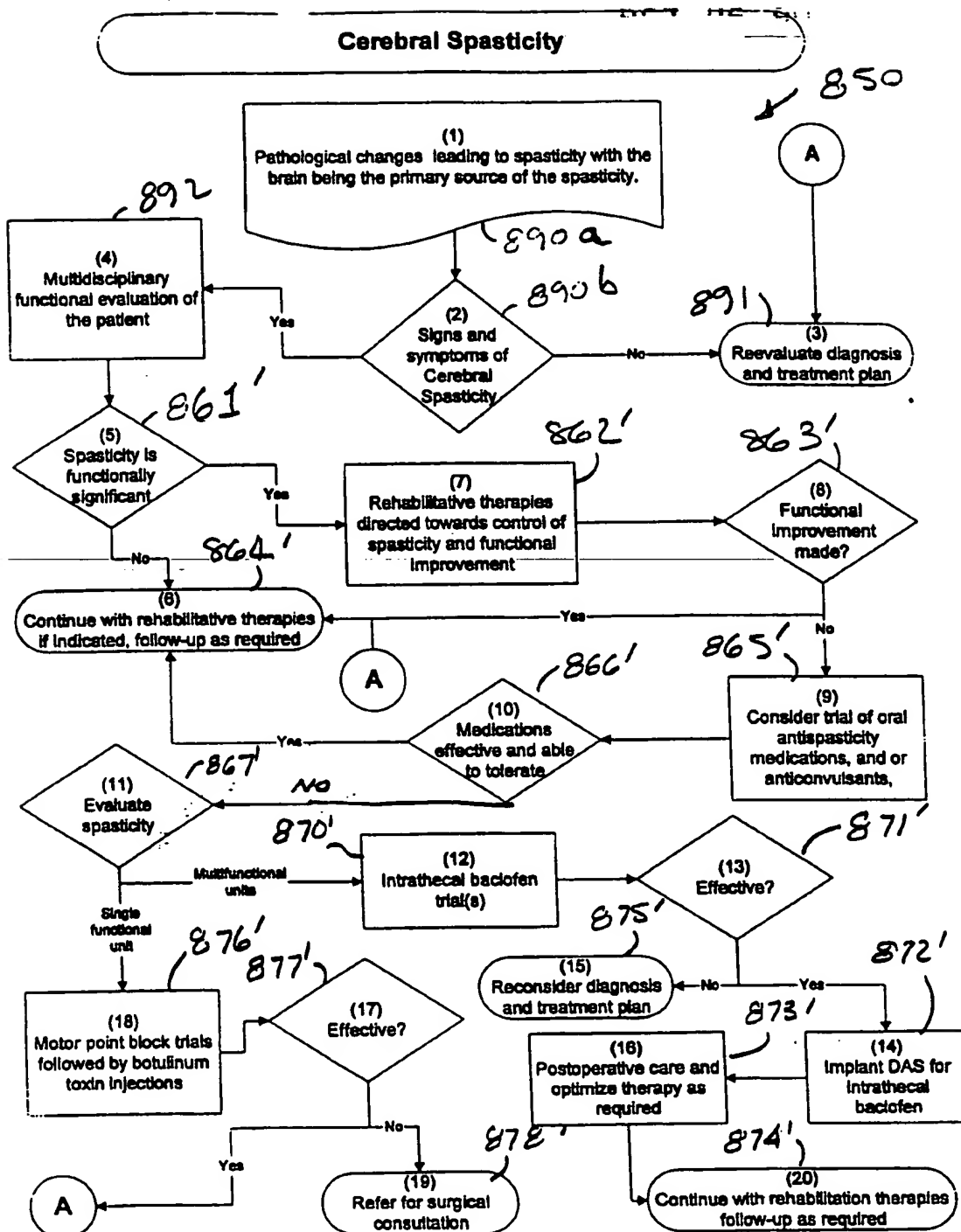
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FIG. 9b

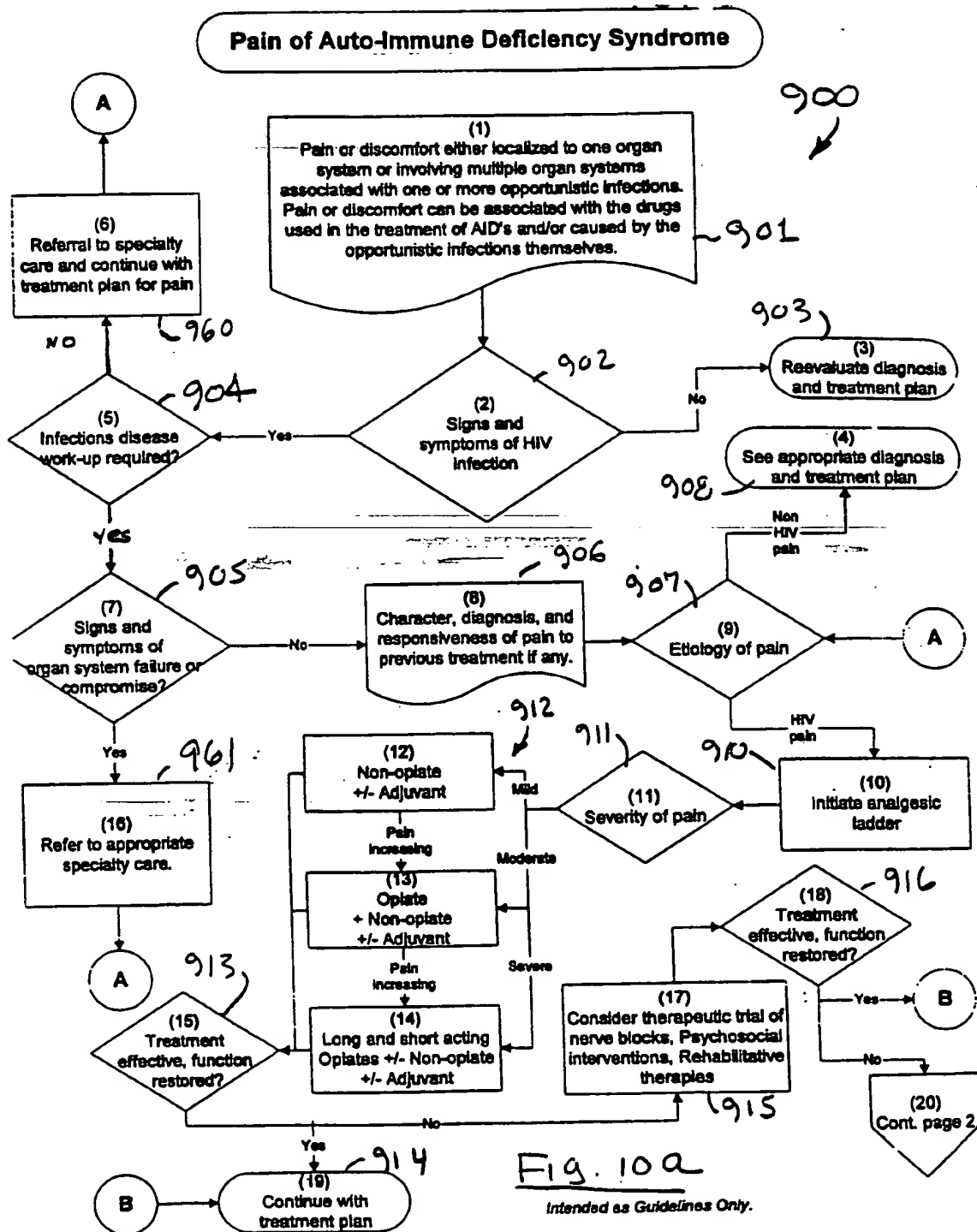
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Fig. 9c

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